Gene No.	62256	Strand	-
Start	19889	End	20325
Name	OJ990619_31.9922.C8.o3.tm	Method	TBLASTX:Maize
Start	14775	End	15627
GI	none	Score	91
Exons	14775..14870, 14786..14869, 14867..14926, 14868..14975, 14963..15013, 14983..15012, 15018..15107, 15065..15106, 15068..15112, 15096..15191, 15097..15192, 15110..15190, 15360..15500, 15368..15502, 15375..15503, 15574..15627, 15575..15625		

Seq. No.	30162	Seq. ID	OJ990619_31.9922.C8
Gene No.	62256	Strand	-
Start	19889	End	20325
Name	OJ990619_31.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	16773	End	19626
GI	none	Score	147
Exons	16773..16889, 16775..16888, 16974..17093, 16977..17093, 16979..17095, 16979..17095, 17198..17299, 17206..17295, 17207..17296, 17349..17435, 17367..17474, 17368..17475, 17369..17476, 17369..17479, 17822..17902, 17829..17903, 17832..17933, 18546..18641, 18549..18629, 18550..18639, 19326..19388, 19330..19419, 19373..19621, 19389..19595, 19393..19626, 19449..19625		

Seq. No.	30162	Seq. ID	OJ990619_31.9922.C8
Gene No.	62256	Strand	-
Start	19889	End	20325
Name	OJ990619_31.9922.C8.o2.tc	Method	TBLASTX:Cress
Start	16784	End	17095
GI	none	Score	81
Exons	16784..16888, 16791..16886, 16974..17090, 16979..17095		

Seq. No.	30162	Seq. ID	OJ990619_31.9922.C8
Gene No.	62256	Strand	-
Start	19889	End	20325
Name	OJ990619_31.9922.C8.o2.gp	Method	AAT/GAP
Start	19889	End	20325
GI	none	Score	249
Exons	19889..19933, 20108..20188, 20282..20325		

Seq. No.	30163	Seq. ID	OJ990619_31.9922.C9
Gene No.	62257	Strand	-
Start	681	End	5420
Name	OJ990619_31.9922.C9.o1.gs	Method	GENSCAN
Start	681	End	4674
GI	none	Score	.82
Exons	681..728, 879..1239, 3258..3352, 4030..4163, 4263..4674		

Seq. No.	30163	Seq. ID	OJ990619_31.9922.C9
Gene No.	62257	Strand	-
Start	681	End	5420
Name	OJ990619_31.9922.C9.o2.tm	Method	TBLASTX:Maize
Start	879	End	1295
GI	none	Score	64
Exons	879..998, 879..1004, 1005..1073, 1006..1074, 1182..1295		

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Seq. No.	30163	Seq. ID	OJ990619_31.9922.C9
Gene No.	62257	Strand	-
Start	681	End	5420
Name	OJ990619_31.9922.C9.o2.tw	Method	TBLASTX:Wheat
Start	939	End	1331
GI	none	Score	86
Exons	939..1214, 943..999, 1041..1331, 1082..1315, 1189..1317		

Seq. No.	30163	Seq. ID	OJ990619_31.9922.C9
Gene No.	62257	Strand	-
Start	681	End	5420
Name	OJ990619_31.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	3660	End	4684
GI	none	Score	278
Exons	3660..3692, 3739..4137, 3756..3944, 3758..4156, 3778..4158, 3778..3855, 3862..3987, 4162..4242, 4163..4243, 4243..4404, 4250..4402, 4251..4412, 4252..4413, 4396..4467, 4408..4680, 4408..4680, 4412..4684		

Seq. No.	30163	Seq. ID	OJ990619_31.9922.C9
Gene No.	62257	Strand	-
Start	681	End	5420
Name	OJ990619_31.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	3738	End	4467
GI	none	Score	161
Exons	3738..3965, 3746..4081, 3778..4083, 4396..4467		

Seq. No.	30163	Seq. ID	OJ990619_31.9922.C9
Gene No.	62257	Strand	-
Start	681	End	5420
Name	OJ990619_31.9922.C9.o1.np	Method	AAT/NAP
Start	3760	End	4674
GI	3150415	Score	1315
Exons	3760..4674		
GI Descrip.	(AC004165) putative protein transport protein SEC13 [Arabidopsis thaliana]		

Seq. No.	30163	Seq. ID	OJ990619_31.9922.C9
Gene No.	62257	Strand	-
Start	681	End	5420
Name	OJ990619_31.9922.C9.o1.tc	Method	TBLASTX:Cress
Start	3778	End	4698
GI	none	Score	229
Exons	3778..3855, 3862..3987, 3862..3981, 3986..4018, 4190..4399, 4192..4404, 4199..4429, 4245..4412, 4408..4518, 4408..4539, 4412..4537, 4534..4680, 4547..4681, 4597..4698		

Seq. No.	30163	Seq. ID	OJ990619_31.9922.C9
Gene No.	62257	Strand	-
Start	681	End	5420
Name	OJ990619_31.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	3850	End	4684
GI	none	Score	1156
Exons	3850..4683, 3851..4684, 3851..4684		

Seq. No.	30163	Seq. ID	OJ990619_31.9922.C9
Gene No.	62257	Strand	-

Start	681	End	5420
Name	OJ990619_31.9922.C9.o1.gp	Method	AAT/GAP
Start	3969	End	5420
GI	20780_1.R1084	Score	1610
Exons	3969..4743, 5351..5420		
GI Descrip.	'3150415 2.0e-97 (AC004165) sec13-related protein [Arabidopsis thaliana] >gi_3420046 (AC004680) sec13-related protein [Arabidopsis thaliana]'		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62258	Strand	+
Start	1178	End	6634
Name	OJ990619_31.9922.C10.o1.np	Method	AAT/NAP
Start	1178	End	6634
GI	6498441	Score	7111
Exons	1178..2242, 2573..3035, 3099..3472, 3656..3790, 3966..4691, 4863..6259, 6353..6634		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62259	Strand	+
Start	10869	End	11976
Name	OJ990619_31.9922.C10.o3.np	Method	AAT/NAP
Start	10869	End	11976
GI	5042454	Score	74
Exons	10869..10923, 11921..11976		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62260	Strand	-
Start	7262	End	10915
Name	OJ990619_31.9922.C10.o7.tw	Method	TBLASTX:Wheat
Start	1330	End	1719
GI	none	Score	55
Exons	1330..1374, 1381..1479, 1398..1478, 1446..1685, 1462..1719		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62260	Strand	-
Start	7262	End	10915
Name	OJ990619_31.9922.C10.o6.tm	Method	TBLASTX:Maize
Start	1369	End	1617
GI	none	Score	195
Exons	1369..1617, 1371..1616		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62260	Strand	-
Start	7262	End	10915
Name	OJ990619_31.9922.C10.o2.tw	Method	TBLASTX:Wheat
Start	2457	End	2943
GI	none	Score	395
Exons	2457..2630, 2458..2943, 2652..2912		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62260	Strand	-
Start	7262	End	10915

Name	OJ990619_31.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	3107	End	3569
GI	none	Score	555
Exons	3107..3562, 3108..3569, 3108..3563		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62260	Strand	-
Start	7262	End	10915
Name	OJ990619_31.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	3237	End	3593
GI	none	Score	388
Exons	3237..3593, 3272..3583, 3477..3593		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62260	Strand	-
Start	7262	End	10915
Name	OJ990619_31.9922.C10.o5.tw	Method	TBLASTX:Wheat
Start	3570	End	3881
GI	none	Score	339
Exons	3570..3881, 3578..3868		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62260	Strand	-
Start	7262	End	10915
Name	OJ990619_31.9922.C10.o5.tm	Method	TBLASTX:Maize
Start	3620	End	4005
GI	none	Score	283
Exons	3620..3898, 3621..3899, 3811..4005		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62260	Strand	-
Start	7262	End	10915
Name	OJ990619_31.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	3756	End	4158
GI	none	Score	155
Exons	3756..3902, 3773..3898, 3898..4158		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62260	Strand	-
Start	7262	End	10915
Name	OJ990619_31.9922.C10.o10.tw	Method	TBLASTX:Wheat
Start	3928	End	4182
GI	none	Score	245
Exons	3928..4182		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62260	Strand	-
Start	7262	End	10915
Name	OJ990619_31.9922.C10.o6.tw	Method	TBLASTX:Wheat
Start	4538	End	4996
GI	none	Score	223
Exons	4538..4759, 4562..4786, 4627..4803, 4847..4996, 4858..4995		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62260	Strand	-
Start	7262	End	10915
Name	OJ990619_31.9922.C10.o2.ts	Method	TBLASTX:Soybean

Start	4685	End	5251
GI	5666795	Score	74
Exons	4685..4783, 4859..4996, 5051..5251		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62260	Strand	-
Start	7262	End	10915
Name	OJ990619_31.9922.C10.o11.tw	Method	TBLASTX:Wheat
Start	4999	End	5311
GI	none	Score	194
Exons	4999..5175, 5036..5200, 5051..5311		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62260	Strand	-
Start	7262	End	10915
Name	OJ990619_31.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	5504	End	5836
GI	none	Score	357
Exons	5504..5827, 5533..5814, 5624..5836		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62260	Strand	-
Start	7262	End	10915
Name	OJ990619_31.9922.C10.o3.tw	Method	TBLASTX:Wheat
Start	5641	End	6022
GI	none	Score	365
Exons	5641..5991, 5642..6022		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62260	Strand	-
Start	7262	End	10915
Name	OJ990619_31.9922.C10.o9.tw	Method	TBLASTX:Wheat
Start	6023	End	6625
GI	none	Score	269
Exons	6023..6307, 6028..6312, 6499..6621, 6500..6625		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62260	Strand	-
Start	7262	End	10915
Name	OJ990619_31.9922.C10.o7.tm	Method	TBLASTX:Maize
Start	6493	End	6637
GI	none	Score	184
Exons	6493..6633, 6494..6637		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62260	Strand	-
Start	7262	End	10915
Name	OJ990619_31.9922.C10.o2.gs	Method	GENSCAN
Start	7262	End	10915
GI	none	Score	.62
Exons	7262..7455, 7505..10515, 10686..10762, 10856..10915		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62260	Strand	-
Start	7262	End	10915
Name	OJ990619_31.9922.C10.o2.np	Method	AAT/NAP

Start	7265	End	10496
GI	6907089	Score	4311
Exons	7265..9132, 9236..10496		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62261	Strand	
Start	12907	End	13329
Name	OJ990619_31.9922.C10.o4.tw	Method	TBLASTX:Wheat
Start	12907	End	13260
GI	none	Score	281
Exons	12907..13155, 12908..13156, 12921..13160, 13123..13260, 13151..13258		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62261	Strand	
Start	12907	End	13329
Name	OJ990619_31.9922.C10.o3.ts	Method	TBLASTX:Soybean
Start	12910	End	13329
GI	none	Score	71
Exons	12910..13194, 12911..13093, 13066..13329, 13118..13327		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62262	Strand	
Start	13306	End	14146
Name	OJ990619_31.9922.C10.o3.tm	Method	TBLASTX:Maize
Start	13306	End	13680
GI	none	Score	39
Exons	13306..13338, 13306..13335, 13324..13641, 13331..13636, 13336..13680, 13380..13655, 13624..13668		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62262	Strand	
Start	13306	End	14146
Name	OJ990619_31.9922.C10.o8.tw	Method	TBLASTX:Wheat
Start	13475	End	14146
GI	none	Score	270
Exons	13475..13681, 13476..13682, 13516..13698, 13541..13720, 13917..14021, 13918..14013, 13923..14021, 13997..14080, 13998..14048, 14010..14081, 14012..14080, 14077..14139, 14081..14128, 14081..14146		

Seq. No.	30164	Seq. ID	OJ990619_31.9922.C10
Gene No.	62262	Strand	
Start	13306	End	14146
Name	OJ990619_31.9922.C10.o4.tm	Method	TBLASTX:Maize
Start	13910	End	14134
GI	none	Score	174
Exons	13910..14080, 13910..14080, 13917..14081, 13918..14082, 14081..14125, 14081..14134		

Seq. No.	30165	Seq. ID	OJ990619_31.9922.C11
Gene No.	62263	Strand	+
Start	2176	End	2278
Name	OJ990619_31.9922.C11.o1.gp	Method	AAT/GAP
Start	2176	End	2278
GI	6689925	Score	162

Exons	2176..2278		
GI Descrip.	5815410/gb|AAD52659.1|AF177392_1 0.0e+00 (AF177392) blast and wounding induced mitogen-activated protein kinase [Oryza sativa]		
Seq. No.	30165	Seq. ID	OJ990619_31.9922.C11
Gene No.	62264	Strand	-
Start	4465	End	4563
Name	OJ990619_31.9922.C11.o2.gs	Method	GENSCAN
Start	4465	End	4563
GI	none	Score	.98
Exons	4465..4563		
Seq. No.	30165	Seq. ID	OJ990619_31.9922.C11
Gene No.	62265	Strand	-
Start	4471	End	4580
Name	OJ990619_31.9922.C11.o1.np	Method	AAT/NAP
Start	4471	End	4580
GI	5821717	Score	129
Exons	4471..4580		
GI Descrip.	(AF123594) Wee1-like protein [Zea mays]		
Seq. No.	30166	Seq. ID	OJ990619_31.9922.C12
Gene No.	62266	Strand	-
Start	1	End	2247
Name	OJ990619_31.9922.C12.o1.np	Method	AAT/NAP
Start	1	End	2067
GI	5821717	Score	717
Exons	1..23, 698..865, 945..985, 1070..1178, 1276..1340, 1469..1729, 1813..1879, 2005..2067		
GI Descrip.	(AF123594) Wee1-like protein [Zea mays]		
Seq. No.	30166	Seq. ID	OJ990619_31.9922.C12
Gene No.	62266	Strand	-
Start	1	End	2247
Name	OJ990619_31.9922.C12.o1.gs	Method	GENSCAN
Start	720	End	2247
GI	none	Score	.67
Exons	720..865, 945..985, 1070..1142, 1233..1340, 1469..1729, 1813..1876, 2005..2065, 2171..2247		
Seq. No.	30166	Seq. ID	OJ990619_31.9922.C12
Gene No.	62266	Strand	-
Start	1	End	2247
Name	OJ990619_31.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	944	End	2194
GI	none	Score	50
Exons	944..988, 1069..1167, 1069..1164, 1276..1344, 1277..1360, 1470..1652, 1474..1608, 1695..1733, 1841..1873, 2012..2077, 2014..2073, 2165..2194, 2171..2194		
Seq. No.	30167	Seq. ID	OJ990619_31.9922.C13
Gene No.	62267	Strand	+
Start	4134	End	6294
Name	OJ990619_31.9922.C13.o1.np	Method	AAT/NAP
Start	4134	End	6294
GI	6721512	Score	35
Exons	4134..4180, 6155..6294		

GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No.	30167	Seq. ID	OJ990619_31.9922.C13
Gene No.	62268	Strand	+
Start	8100	End	9730
Name	OJ990619_31.9922.C13.o2.gp	Method	AAT/GAP
Start	7980	End	8517
GI	none	Score	666
Exons	7980..8226, 8326..8409, 8484..8517		

Seq. No.	30167	Seq. ID	OJ990619_31.9922.C13
Gene No.	62268	Strand	+
Start	8100	End	9730
Name	OJ990619_31.9922.C13.o2.gs	Method	GENSCAN
Start	8100	End	9730
GI	none	Score	.94
Exons	8100..8226, 8326..8409, 8484..9730		

Seq. No.	30167	Seq. ID	OJ990619_31.9922.C13
Gene No.	62268	Strand	+
Start	8100	End	9730
Name	OJ990619_31.9922.C13.o3.gp	Method	AAT/GAP
Start	9091	End	9539
GI	LIB3431-038-P1-K1-H5	Score	870
Exons	9091..9539		
GI Descrip.	'4335761/gb|AAD17438| 7.0e-20 (AC006284) unknown protein [Arabidopsis thaliana]'		

Seq. No.	30167	Seq. ID	OJ990619_31.9922.C13
Gene No.	62269	Strand	+
Start	11813	End	12004
Name	OJ990619_31.9922.C13.o3.gs	Method	GENSCAN
Start	11813	End	12004
GI	none	Score	.64
Exons	11813..12004		

Seq. No.	30167	Seq. ID	OJ990619_31.9922.C13
Gene No.	62270	Strand	+
Start	14435	End	14720
Name	OJ990619_31.9922.C13.o5.gp	Method	AAT/GAP
Start	14435	End	14720
GI	none	Score	548
Exons	14435..14720		

Seq. No.	30167	Seq. ID	OJ990619_31.9922.C13
Gene No.	62271	Strand	-
Start	7161	End	7241
Name	OJ990619_31.9922.C13.o1.gp	Method	AAT/GAP
Start	7161	End	7241
GI	38012_1.R1084	Score	99
Exons	7161..7241		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	30167	Seq. ID	OJ990619_31.9922.C13
Gene No.	62272	Strand	-
Start	9550	End	9981

Name	OJ990619_31.9922.C13.o4.gp	Method	AAT/GAP
Start	9550	End	9981
GI	none	Score	853
Exons	9550..9981		

Seq. No.	30167	Seq. ID	OJ990619_31.9922.C13
Gene No.	62273	Strand	-
Start	14745	End	14831
Name	OJ990619_31.9922.C13.o1.tm	Method	TBLASTX:Maize
Start	8097	End	9664
GI	none	Score	86
Exons	8097..8210, 8600..8788, 8602..8787, 8795..9196, 8800..9183, 9062..9208, 9247..9660, 9248..9664		

Seq. No.	30167	Seq. ID	OJ990619_31.9922.C13
Gene No.	62273	Strand	-
Start	14745	End	14831
Name	OJ990619_31.9922.C13.o1.tc	Method	TBLASTX:Cress
Start	8627	End	9163
GI	none	Score	54
Exons	8627..8725, 8788..8904, 8795..9163		

Seq. No.	30167	Seq. ID	OJ990619_31.9922.C13
Gene No.	62273	Strand	-
Start	14745	End	14831
Name	OJ990619_31.9922.C13.o1.ts	Method	TBLASTX:Soybean
Start	8807	End	9460
GI	none	Score	260
Exons	8807..9163, 8824..8940, 9046..9141, 9212..9460, 9214..9459		

Seq. No.	30167	Seq. ID	OJ990619_31.9922.C13
Gene No.	62273	Strand	-
Start	14745	End	14831
Name	OJ990619_31.9922.C13.o1.tw	Method	TBLASTX:Wheat
Start	9268	End	9532
GI	none	Score	344
Exons	9268..9528, 9272..9532, 9272..9532		

Seq. No.	30167	Seq. ID	OJ990619_31.9922.C13
Gene No.	62273	Strand	-
Start	14745	End	14831
Name	OJ990619_31.9922.C13.o2.tc	Method	TBLASTX:Cress
Start	9317	End	9712
GI	none	Score	105
Exons	9317..9460, 9370..9459, 9461..9712, 9496..9696		

Seq. No.	30167	Seq. ID	OJ990619_31.9922.C13
Gene No.	62273	Strand	-
Start	14745	End	14831
Name	OJ990619_31.9922.C13.o4.gs	Method	GENSCAN
Start	14745	End	14831
GI	none	Score	.69
Exons	14745..14831		

Seq. No.	30168	Seq. ID	OJ990619_31.9922.C14
Gene No.	62274	Strand	-
Start	279	End	573

Name	OJ990619_31.9922.C14.o1.np	Method	AAT/NAP
Start	279	End	573
GI	5821717	Score	286
Exons	279..573		
GI Descrip.	(AF123594) Weel-like protein [Zea mays]		

Seq. No.	30168	Seq. ID	OJ990619_31.9922.C14
Gene No.	62274	Strand	-
Start	279	End	573
Name	OJ990619_31.9922.C14.o1.gs	Method	GENSCAN
Start	368	End	547
GI	none	Score	.91
Exons	368..547		

Seq. No.	30168	Seq. ID	OJ990619_31.9922.C14
Gene No.	62274	Strand	-
Start	279	End	573
Name	OJ990619_31.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	368	End	524
GI	none	Score	198
Exons	368..523, 372..524		

Seq. No.	30169	Seq. ID	OJ990619_30.9927.C2
Gene No.	62275	Strand	+
Start	473	End	1109
Name	OJ990619_30.9927.C2.o1.np	Method	AAT/NAP
Start	473	End	1109
GI	2498930	Score	726
Exons	473..536, 704..1109		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	30169	Seq. ID	OJ990619_30.9927.C2
Gene No.	62275	Strand	+
Start	473	End	1109
Name	OJ990619_30.9927.C2.o1.gs	Method	GENSCAN
Start	477	End	1098
GI	none	Score	1
Exons	477..536, 704..1098		

Seq. No.	30170	Seq. ID	OJ990619_30.9927.C3
Gene No.	62276	Strand	-
Start	309	End	545
Name	OJ990619_30.9927.C3.o1.gs	Method	GENSCAN
Start	309	End	545
GI	none	Score	.98
Exons	309..545		

Seq. No.	30171	Seq. ID	OJ990619_30.9927.C4
Gene No.	62277	Strand	-
Start	39	End	613
Name	OJ990619_30.9927.C4.o1.gs	Method	GENSCAN
Start	39	End	613
GI	none	Score	.77
Exons	39..613		

Seq. No.	30172	Seq. ID	OJ990619_30.9927.C6

Gene No.	62278	Strand	-
Start	536	End	6319
Name	OJ990619_30.9927.C6.o7.tm	Method	TBLASTX:Maize
Start	330	End	576
GI	none	Score	63
Exons	330..575, 451..576		

Seq. No.	30172	Seq. ID	OJ990619_30.9927.C6
Gene No.	62278	Strand	-
Start	536	End	6319
Name	OJ990619_30.9927.C6.o5.tw	Method	TBLASTX:Wheat
Start	384	End	717
GI	none	Score	100
Exons	384..716, 493..717		

Seq. No.	30172	Seq. ID	OJ990619_30.9927.C6
Gene No.	62278	Strand	-
Start	536	End	6319
Name	OJ990619_30.9927.C6.o1.np	Method	AAT/NAP
Start	536	End	6319
GI	5257279	Score	6710
Exons	536..1345, 1460..1622, 1839..4557, 5190..5425, 5774..6319		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	30172	Seq. ID	OJ990619_30.9927.C6
Gene No.	62278	Strand	-
Start	536	End	6319
Name	OJ990619_30.9927.C6.o1.tm	Method	TBLASTX:Maize
Start	576	End	1160
GI	none	Score	100
Exons	576..1004, 577..765, 726..794, 820..1005, 863..1009, 864..1064, 998..1132, 1002..1160, 1005..1142, 1006..1158		

Seq. No.	30172	Seq. ID	OJ990619_30.9927.C6
Gene No.	62278	Strand	-
Start	536	End	6319
Name	OJ990619_30.9927.C6.o1.tw	Method	TBLASTX:Wheat
Start	717	End	1343
GI	none	Score	293
Exons	717..1343, 823..1341		

Seq. No.	30172	Seq. ID	OJ990619_30.9927.C6
Gene No.	62278	Strand	-
Start	536	End	6319
Name	OJ990619_30.9927.C6.o3.tm	Method	TBLASTX:Maize
Start	1212	End	1503
GI	none	Score	120
Exons	1212..1502, 1215..1502, 1216..1503		

Seq. No.	30172	Seq. ID	OJ990619_30.9927.C6
Gene No.	62278	Strand	-
Start	536	End	6319
Name	OJ990619_30.9927.C6.o2.ts	Method	TBLASTX:Soybean
Start	1305	End	1538
GI	none	Score	152
Exons	1305..1538, 1306..1530, 1332..1538		

Seq. No.	30172	Seq. ID	OJ990619_30.9927.C6
Gene No.	62278	Strand	-
Start	536	End	6319
Name	OJ990619_30.9927.C6.o1.tc	Method	TBLASTX:Cress
Start	1326	End	1643
GI	none	Score	67
Exons	1326..1424, 1326..1469, 1327..1467, 1470..1643, 1522..1635		

Seq. No.	30172	Seq. ID	OJ990619_30.9927.C6
Gene No.	62278	Strand	-
Start	536	End	6319
Name	OJ990619_30.9927.C6.o3.tw	Method	TBLASTX:Wheat
Start	1350	End	1839
GI	none	Score	173
Exons	1350..1838, 1353..1700, 1354..1839		

Seq. No.	30172	Seq. ID	OJ990619_30.9927.C6
Gene No.	62278	Strand	-
Start	536	End	6319
Name	OJ990619_30.9927.C6.o2.tw	Method	TBLASTX:Wheat
Start	1839	End	2342
GI	none	Score	298
Exons	1839..2342, 1840..2307		

Seq. No.	30172	Seq. ID	OJ990619_30.9927.C6
Gene No.	62278	Strand	-
Start	536	End	6319
Name	OJ990619_30.9927.C6.o2.tm	Method	TBLASTX:Maize
Start	2031	End	2472
GI	none	Score	102
Exons	2031..2471, 2043..2294, 2044..2472		

Seq. No.	30172	Seq. ID	OJ990619_30.9927.C6
Gene No.	62278	Strand	-
Start	536	End	6319
Name	OJ990619_30.9927.C6.o3.ts	Method	TBLASTX:Soybean
Start	2091	End	2336
GI	none	Score	212
Exons	2091..2336		

Seq. No.	30172	Seq. ID	OJ990619_30.9927.C6
Gene No.	62278	Strand	-
Start	536	End	6319
Name	OJ990619_30.9927.C6.o6.tw	Method	TBLASTX:Wheat
Start	2343	End	2580
GI	none	Score	161
Exons	2343..2579, 2359..2580		

Seq. No.	30172	Seq. ID	OJ990619_30.9927.C6
Gene No.	62278	Strand	-
Start	536	End	6319
Name	OJ990619_30.9927.C6.o1.ts	Method	TBLASTX:Soybean
Start	2358	End	2753
GI	none	Score	238
Exons	2358..2717, 2359..2715, 2388..2723, 2721..2753, 2724..2753		

Seq. No.	30172	Seq. ID	OJ990619_30.9927.C6
Gene No.	62278	Strand	-
Start	536	End	6319
Name	OJ990619_30.9927.C6.o6.tm	Method	TBLASTX:Maize
Start	2476	End	2639
GI	none	Score	130
Exons	2476..2634, 2478..2639, 2484..2639		

Seq. No.	30172	Seq. ID	OJ990619_30.9927.C6
Gene No.	62278	Strand	-
Start	536	End	6319
Name	OJ990619_30.9927.C6.o4.tw	Method	TBLASTX:Wheat
Start	2490	End	3176
GI	none	Score	47
Exons	2490..2528, 2581..2625, 2694..3071, 2698..2841, 2703..3056, 2869..3165, 3126..3176		

Seq. No.	30172	Seq. ID	OJ990619_30.9927.C6
Gene No.	62278	Strand	-
Start	536	End	6319
Name	OJ990619_30.9927.C6.o4.tm	Method	TBLASTX:Maize
Start	2640	End	3071
GI	none	Score	67
Exons	2640..3071, 2859..3035, 2863..3036		

Seq. No.	30172	Seq. ID	OJ990619_30.9927.C6
Gene No.	62278	Strand	-
Start	536	End	6319
Name	OJ990619_30.9927.C6.o2.tc	Method	TBLASTX:Cress
Start	2730	End	3048
GI	none	Score	66
Exons	2730..3047, 2878..3048		

Seq. No.	30172	Seq. ID	OJ990619_30.9927.C6
Gene No.	62278	Strand	-
Start	536	End	6319
Name	OJ990619_30.9927.C6.o8.tm	Method	TBLASTX:Maize
Start	3109	End	3273
GI	none	Score	152
Exons	3109..3273, 3123..3272		

Seq. No.	30172	Seq. ID	OJ990619_30.9927.C6
Gene No.	62278	Strand	-
Start	536	End	6319
Name	OJ990619_30.9927.C6.o8.tw	Method	TBLASTX:Wheat
Start	3348	End	3726
GI	none	Score	93
Exons	3348..3470, 3349..3459, 3354..3488, 3504..3725, 3604..3726		

Seq. No.	30172	Seq. ID	OJ990619_30.9927.C6
Gene No.	62278	Strand	-
Start	536	End	6319
Name	OJ990619_30.9927.C6.o5.tm	Method	TBLASTX:Maize
Start	3408	End	3731
GI	none	Score	86
Exons	3408..3695, 3408..3731		

Seq. No.	30172	Seq. ID	OJ990619_30.9927.C6
Gene No.	62278	Strand	-
Start	536	End	6319
Name	OJ990619_30.9927.C6.o7.tw	Method	TBLASTX:Wheat
Start	4278	End	4641
GI	none	Score	80
Exons	4278..4424, 4288..4491, 4449..4640, 4552..4641		

Seq. No.	30173	Seq. ID	OJ990619_30.9927.C7
Gene No.	62279	Strand	-
Start	171	End	2612
Name	OJ990619_30.9927.C7.o1.gs	Method	GENSCAN
Start	171	End	2612
GI	none	Score	.4
Exons	171..382, 592..727, 943..1220, 1260..1527, 1557..1967, 2025..2294, 2406..2612		

Seq. No.	30173	Seq. ID	OJ990619_30.9927.C7
Gene No.	62279	Strand	-
Start	171	End	2612
Name	OJ990619_30.9927.C7.o1.np	Method	AAT/NAP
Start	374	End	2385
GI	4325357	Score	381
Exons	374..955, 1756..2385		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	30173	Seq. ID	OJ990619_30.9927.C7
Gene No.	62280	Strand	-
Start	4572	End	5874
Name	OJ990619_30.9927.C7.o1.tw	Method	TBLASTX:Wheat
Start	1971	End	2306
GI	none	Score	101
Exons	1971..2174, 2190..2306		

Seq. No.	30173	Seq. ID	OJ990619_30.9927.C7
Gene No.	62280	Strand	-
Start	4572	End	5874
Name	OJ990619_30.9927.C7.o2.gs	Method	GENSCAN
Start	4572	End	5874
GI	none	Score	.46
Exons	4572..4624, 5689..5874		

Seq. No.	30174	Seq. ID	OJ990619_30.9927.C10
Gene No.	62281	Strand	+
Start	2748	End	5686
Name	OJ990619_30.9927.C10.o2.gs	Method	GENSCAN
Start	2748	End	5686
GI	none	Score	.77
Exons	2748..3167, 3246..4217, 4227..4316, 4386..4931, 5046..5168, 5432..5686		

Seq. No.	30174	Seq. ID	OJ990619 30.9927.C10
Gene No.	62282	Strand	+
Start	8212	End	11974
Name	OJ990619_30.9927.C10.o4.gs	Method	GENSCAN

Start	8212	End	11974
GI	none	Score	.7
Exons	8212..8380, 8451..8490, 8629..8764, 10976..11027, 11213..11334, 11792..11818, 11948..11974		

Seq. No.	30174	Seq. ID	OJ990619_30.9927.C10
Gene No.	62283	Strand	-
Start	6530	End	18081
Name	OJ990619_30.9927.C10.o1.np	Method	AAT/NAP
Start	6500	End	18081
GI	4206306	Score	2467
Exons	6500..6914, 12109..14725, 18051..18081		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	30174	Seq. ID	OJ990619_30.9927.C10
Gene No.	62283	Strand	-
Start	6530	End	18081
Name	OJ990619_30.9927.C10.o3.gs	Method	GENSCAN
Start	6530	End	8074
GI	none	Score	.78
Exons	6530..6929, 7902..8074		

Seq. No.	30174	Seq. ID	OJ990619_30.9927.C10
Gene No.	62283	Strand	-
Start	6530	End	18081
Name	OJ990619_30.9927.C10.o4.tm	Method	TBLASTX:Maize
Start	6551	End	6811
GI	none	Score	104
Exons	6551..6811, 6576..6770		

Seq. No.	30174	Seq. ID	OJ990619_30.9927.C10
Gene No.	62283	Strand	-
Start	6530	End	18081
Name	OJ990619_30.9927.C10.o2.ts	Method	TBLASTX:Soybean
Start	12237	End	12611
GI	none	Score	100
Exons	12237..12461, 12468..12611		

Seq. No.	30174	Seq. ID	OJ990619_30.9927.C10
Gene No.	62283	Strand	-
Start	6530	End	18081
Name	OJ990619_30.9927.C10.o3.tm	Method	TBLASTX:Maize
Start	12253	End	12615
GI	none	Score	230
Exons	12253..12615, 12261..12614		

Seq. No.	30174	Seq. ID	OJ990619_30.9927.C10
Gene No.	62283	Strand	-
Start	6530	End	18081
Name	OJ990619_30.9927.C10.o5.gs	Method	GENSCAN
Start	12298	End	16766
GI	none	Score	.73
Exons	12298..12718, 12790..13041, 13109..13587, 13624..13893, 13984..14075, 14121..14376, 14536..15207, 15422..15691, 15741..15907, 15993..16241, 16502..16766		

Seq. No.	30174	Seq. ID	OJ990619_30.9927.C10

Gene No.	62283	Strand	-
Start	6530	End	18081
Name	OJ990619_30.9927.C10.o4.tw	Method	TBLASTX:Wheat
Start	12384	End	12773
GI	none	Score	54
Exons	12384..12773, 12393..12524		

Seq. No.	30174	Seq. ID	OJ990619_30.9927.C10
Gene No.	62283	Strand	-
Start	6530	End	18081
Name	OJ990619_30.9927.C10.o5.tm	Method	TBLASTX:Maize
Start	12616	End	12884
GI	none	Score	72
Exons	12616..12783, 12618..12836, 12618..12884		

Seq. No.	30174	Seq. ID	OJ990619_30.9927.C10
Gene No.	62283	Strand	-
Start	6530	End	18081
Name	OJ990619_30.9927.C10.o3.tw	Method	TBLASTX:Wheat
Start	13084	End	13516
GI	none	Score	142
Exons	13084..13515, 13091..13375, 13400..13516		

Seq. No.	30174	Seq. ID	OJ990619_30.9927.C10
Gene No.	62283	Strand	-
Start	6530	End	18081
Name	OJ990619_30.9927.C10.o3.ts	Method	TBLASTX:Soybean
Start	13147	End	13518
GI	none	Score	98
Exons	13147..13380, 13154..13378, 13420..13518		

Seq. No.	30174	Seq. ID	OJ990619_30.9927.C10
Gene No.	62283	Strand	-
Start	6530	End	18081
Name	OJ990619_30.9927.C10.o1.ts	Method	TBLASTX:Soybean
Start	13702	End	14166
GI	none	Score	48
Exons	13702..14166, 13793..13858, 13886..14116		

Seq. No.	30174	Seq. ID	OJ990619_30.9927.C10
Gene No.	62283	Strand	-
Start	6530	End	18081
Name	OJ990619_30.9927.C10.o1.tw	Method	TBLASTX:Wheat
Start	13787	End	14212
GI	none	Score	217
Exons	13787..14212, 13792..14211		

Seq. No.	30174	Seq. ID	OJ990619_30.9927.C10
Gene No.	62283	Strand	-
Start	6530	End	18081
Name	OJ990619_30.9927.C10.o2.tm	Method	TBLASTX:Maize
Start	13885	End	14268
GI	none	Score	199
Exons	13885..14268, 13898..14245, 13954..14247		

Seq. No.	30174	Seq. ID	OJ990619_30.9927.C10
Gene No.	62283	Strand	-

Start	6530	End	18081
Name	OJ990619_30.9927.C10.o1.tm	Method	TBLASTX:Maize
Start	14296	End	14653
GI	none	Score	224
Exons	14296..14652, 14324..14653		

Seq. No.	30174	Seq. ID	OJ990619_30.9927.C10
Gene No.	62283	Strand	-
Start	6530	End	18081
Name	OJ990619_30.9927.C10.o2.tw	Method	TBLASTX:Wheat
Start	14326	End	14728
GI	none	Score	259
Exons	14326..14721, 14327..14728		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62284	Strand	+
Start	9291	End	9585
Name	OJ990619_30.9927.C11.o4.gp	Method	AAT/GAP
Start	9291	End	9585
GI	none	Score	547
Exons	9291..9585		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62285	Strand	+
Start	11155	End	11810
Name	OJ990619_30.9927.C11.o4.gs	Method	GENSCAN
Start	11155	End	11810
GI	none	Score	.73
Exons	11155..11198, 11639..11810		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62286	Strand	+
Start	12661	End	20588
Name	OJ990619_30.9927.C11.o5.gs	Method	GENSCAN
Start	12661	End	16973
GI	none	Score	.42
Exons	12661..12751, 12833..12962, 14493..14990, 15048..15144, 15355..16402, 16531..16973		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62286	Strand	+
Start	12661	End	20588
Name	OJ990619_30.9927.C11.o1.np	Method	AAT/NAP
Start	14497	End	20588
GI	5922631	Score	6545
Exons	14497..14621, 14880..15124, 15383..15579, 15625..16208, 16251..16402, 16537..17463, 18070..20588		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62287	Strand	-

Start	1874	End	4651
Name	OJ990619_30.9927.C11.o1.gp	Method	AAT/GAP
Start	1036	End	1443
GI	none	Score	793
Exons	1036..1443		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62287	Strand	-
Start	1874	End	4651
Name	OJ990619_30.9927.C11.o2.gp	Method	AAT/GAP
Start	1483	End	2269
GI	none	Score	984
Exons	1483..1759, 2039..2269		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62287	Strand	-
Start	1874	End	4651
Name	OJ990619_30.9927.C11.o2.gs	Method	GENSCAN
Start	1874	End	4651
GI	none	Score	.47
Exons	1874..2009, 2123..2375, 3626..3865, 4642..4651		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62288	Strand	-
Start	6212	End	9026
Name	OJ990619_30.9927.C11.o3.gs	Method	GENSCAN
Start	6212	End	9026
GI	none	Score	.85
Exons	6212..6356, 6488..6739, 7642..7766, 7987..8060, 8924..9026		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62289	Strand	-
Start	10267	End	10703
Name	OJ990619_30.9927.C11.o5.gp	Method	AAT/GAP
Start	10267	End	10703
GI	none	Score	744
Exons	10267..10703		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62289	Strand	-
Start	10267	End	10703
Name	OJ990619_30.9927.C11.o6.gp	Method	AAT/GAP
Start	10267	End	10703
GI	none	Score	746
Exons	10267..10703		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62290	Strand	-
Start	20965	End	22786
Name	OJ990619_30.9927.C11.o7.tw	Method	TBLASTX:Wheat
Start	15813	End	16215
GI	none	Score	291
Exons	15813..16082, 15814..16215		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62290	Strand	-
Start	20965	End	22786

Name	OJ990619_30.9927.C11.o6.tw	Method	TBLASTX:Wheat
Start	16836	End	17237
GI	none	Score	319
Exons	16836..17237, 16979..17221		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62290	Strand	-
Start	20965	End	22786
Name	OJ990619_30.9927.C11.o1.tw	Method	TBLASTX:Wheat
Start	17480	End	17936
GI	none	Score	460
Exons	17480..17935, 17481..17936		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62290	Strand	-
Start	20965	End	22786
Name	OJ990619_30.9927.C11.o2.tm	Method	TBLASTX:Maize
Start	17610	End	17966
GI	none	Score	366
Exons	17610..17966, 17651..17956		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62290	Strand	-
Start	20965	End	22786
Name	OJ990619_30.9927.C11.o2.tw	Method	TBLASTX:Wheat
Start	18051	End	18475
GI	none	Score	416
Exons	18051..18470, 18095..18475		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62290	Strand	-
Start	20965	End	22786
Name	OJ990619_30.9927.C11.o1.ts	Method	TBLASTX:Soybean
Start	18099	End	18530
GI	none	Score	271
Exons	18099..18530, 18146..18289		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62290	Strand	-
Start	20965	End	22786
Name	OJ990619_30.9927.C11.o3.tm	Method	TBLASTX:Maize
Start	18201	End	18643
GI	none	Score	265
Exons	18201..18452, 18230..18451, 18444..18605, 18489..18605, 18615..18641, 18617..18643		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62290	Strand	-
Start	20965	End	22786
Name	OJ990619_30.9927.C11.o4.tw	Method	TBLASTX:Wheat
Start	18638	End	19046
GI	none	Score	244
Exons	18638..18856, 18639..18869, 18681..18863, 18888..19040, 18899..19045, 18900..19046		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62290	Strand	-

Start	20965	End	22786
Name	OJ990619_30.9927.C11.o8.tw	Method	TBLASTX:Wheat
Start	19047	End	19261
GI	none	Score	194
Exons	19047..19256, 19064..19261		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62290	Strand	-
Start	20965	End	22786
Name	OJ990619_30.9927.C11.o9.tw	Method	TBLASTX:Wheat
Start	19368	End	19628
GI	none	Score	180
Exons	19368..19628		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62290	Strand	-
Start	20965	End	22786
Name	OJ990619_30.9927.C11.o1.tm	Method	TBLASTX:Maize
Start	19488	End	19853
GI	none	Score	431
Exons	19488..19709, 19490..19801, 19491..19814, 19806..19853		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62290	Strand	-
Start	20965	End	22786
Name	OJ990619_30.9927.C11.o3.tw	Method	TBLASTX:Wheat
Start	19629	End	20024
GI	none	Score	407
Exons	19629..20024, 19629..19883, 19634..20023		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62290	Strand	-
Start	20965	End	22786
Name	OJ990619_30.9927.C11.o5.tw	Method	TBLASTX:Wheat
Start	20032	End	20594
GI	none	Score	296
Exons	20032..20103, 20033..20398, 20152..20259, 20475..20594		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62290	Strand	-
Start	20965	End	22786
Name	OJ990619_30.9927.C11.o4.tm	Method	TBLASTX:Maize
Start	20318	End	20573
GI	none	Score	64
Exons	20318..20398, 20400..20492, 20417..20491, 20471..20572, 20472..20573		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11
Gene No.	62290	Strand	-
Start	20965	End	22786
Name	OJ990619_30.9927.C11.o7.gs	Method	GENSCAN
Start	20965	End	22761
GI	none	Score	.72
Exons	20965..21416, 21490..21594, 21666..21855, 21930..22040, 22195..22233, 22241..22553, 22636..22761		

Seq. No.	30175	Seq. ID	OJ990619_30.9927.C11

Gene No.	62290	Strand	-
Start	20965	End	22786
Name	OJ990619_30.9927.C11.o2.np	Method	AAT/NAP
Start	20977	End	22786
GI	6691716	Score	1187
Exons	20977..21416, 21490..21610, 21760..21855, 21930..22117, 22195..22380, 22453..22553, 22636..22786		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	30176	Seq. ID	OJ990619_30.9927.C12
Gene No.	62291	Strand	+
Start	217	End	7830
Name	OJ990619_30.9927.C12.o2.np	Method	AAT/NAP
Start	217	End	7830
GI	5852180	Score	574
Exons	217..313, 4743..4813, 5792..5909, 5961..6372, 7082..7150, 7810..7830		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	30176	Seq. ID	OJ990619_30.9927.C12
Gene No.	62291	Strand	+
Start	217	End	7830
Name	OJ990619_30.9927.C12.o2.gs	Method	GENSCAN
Start	5954	End	6511
GI	none	Score	.87
Exons	5954..6511		

Seq. No.	30176	Seq. ID	OJ990619_30.9927.C12
Gene No.	62292	Strand	-
Start	4662	End	5043
Name	OJ990619_30.9927.C12.o1.gp	Method	AAT/GAP
Start	4662	End	5043
GI	uC-osflcyp033a04b1	Score	667
Exons	4662..5043		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	30177	Seq. ID	OJ990619_30.9927.C13
Gene No.	62293	Strand	-
Start	357	End	1378
Name	OJ990619_30.9927.C13.o1.gs	Method	GENSCAN
Start	357	End	1378
GI	none	Score	.58
Exons	357..431, 488..814, 962..1378		

Seq. No.	30177	Seq. ID	OJ990619_30.9927.C13
Gene No.	62293	Strand	-
Start	357	End	1378
Name	OJ990619_30.9927.C13.o1.np	Method	AAT/NAP
Start	479	End	1378
GI	5902448	Score	1401
Exons	479..1378		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	30177	Seq. ID	OJ990619_30.9927.C13

Gene No.	62293	Strand	-
Start	357	End	1378
Name	OJ990619_30.9927.C13.o1.tw	Method	TBLASTX:Wheat
Start	1004	End	1276
GI	none	Score	199
Exons	1004..1276		

Seq. No.	30178	Seq. ID	OJ990619_30.9927.C14
Gene No.	62294	Strand	+
Start	1	End	485
Name	OJ990619_30.9927.C14.o1.np	Method	AAT/NAP
Start	1	End	485
GI	4680186	Score	249
Exons	1..155, 280..485		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	30178	Seq. ID	OJ990619_30.9927.C14
Gene No.	62294	Strand	+
Start	1	End	485
Name	OJ990619_30.9927.C14.o1.gs	Method	GENSCAN
Start	373	End	433
GI	none	Score	.55
Exons	373..433		

Seq. No.	30178	Seq. ID	OJ990619_30.9927.C14
Gene No.	62295	Strand	-
Start	33	End	413
Name	OJ990619_30.9927.C14.o1.gp	Method	AAT/GAP
Start	33	End	413
GI	uC-osf1cyp033a04b1	Score	646
Exons	33..413		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	30179	Seq. ID	OJ990619_30.9927.C16
Gene No.	62296	Strand	-
Start	1	End	118
Name	OJ990619_30.9927.C16.o1.np	Method	AAT/NAP
Start	1	End	118
GI	6063554	Score	87
Exons	1..118		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30180	Seq. ID	OJ990619_30.9927.C17
Gene No.	62297	Strand	+
Start	4724	End	8403
Name	OJ990619_30.9927.C17.o3.np	Method	AAT/NAP
Start	4484	End	8371
GI	4680199	Score	571
Exons	4484..4539, 7318..7873, 7949..8070, 8239..8371		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	30180	Seq. ID	OJ990619_30.9927.C17
Gene No.	62297	Strand	+
Start	4724	End	8403

Name	OJ990619_30.9927.C17.o2.gs	Method	GENSCAN
Start	4724	End	8403
GI	none	Score	.55
Exons	4724..5209, 5232..5533, 5726..5739, 6226..6818, 7087..7683, 7933..8059, 8198..8403		

Seq. No.	30180	Seq. ID	OJ990619_30.9927.C17
Gene No.	62298	Strand	-
Start	2954	End	6505
Name	OJ990619_30.9927.C17.o1.np	Method	AAT/NAP
Start	2537	End	3406
GI	5852178	Score	358
Exons	2537..2631, 2967..3100, 3131..3406		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	30180	Seq. ID	OJ990619_30.9927.C17
Gene No.	62298	Strand	-
Start	2954	End	6505
Name	OJ990619_30.9927.C17.o1.gs	Method	GENSCAN
Start	2954	End	3999
GI	none	Score	.66
Exons	2954..3071, 3136..3371, 3994..3999		

Seq. No.	30180	Seq. ID	OJ990619_30.9927.C17
Gene No.	62298	Strand	-
Start	2954	End	6505
Name	OJ990619_30.9927.C17.o2.np	Method	AAT/NAP
Start	3006	End	6505
GI	6523547	Score	221
Exons	3006..3470, 3629..3716, 4405..4537, 4682..5182, 6439..6505		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	30180	Seq. ID	OJ990619_30.9927.C17
Gene No.	62299	Strand	
Start	7495	End	8151
Name	OJ990619_30.9927.C17.o1.tw	Method	TBLASTX:Wheat
Start	7495	End	7881
GI	none	Score	291
Exons	7495..7875, 7522..7881		

Seq. No.	30180	Seq. ID	OJ990619_30.9927.C17
Gene No.	62299	Strand	
Start	7495	End	8151
Name	OJ990619_30.9927.C17.o1.ts	Method	TBLASTX:Soybean
Start	7611	End	8046
GI	none	Score	99
Exons	7611..7685, 7615..7686, 7726..7875, 7734..7874, 7947..8036, 7948..8046		

Seq. No.	30180	Seq. ID	OJ990619_30.9927.C17
Gene No.	62299	Strand	
Start	7495	End	8151
Name	OJ990619_30.9927.C17.o1.tm	Method	TBLASTX:Maize
Start	7627	End	8151
GI	none	Score	192
Exons	7627..7839, 7737..7832, 7948..8151, 7959..8132		

Seq. No.	30180	Seq. ID	OJ990619_30.9927.C17
Gene No.	62300	Strand	
Start	8052	End	8255
Name	OJ990619_30.9927.C17.o2.ts	Method	TBLASTX:Soybean
Start	8052	End	8255
GI	none	Score	184
Exons	8052..8255, 8053..8232, 8100..8255		

Seq. No.	30181	Seq. ID	OJ990619_30.9927.C18
Gene No.	62301	Strand	+
Start	6972	End	9461
Name	OJ990619_30.9927.C18.o1.np	Method	AAT/NAP
Start	6972	End	9461
GI	6069646	Score	173
Exons	6972..7284, 7495..7892, 9430..9461		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	30181	Seq. ID	OJ990619_30.9927.C18
Gene No.	62301	Strand	+
Start	6972	End	9461
Name	OJ990619_30.9927.C18.o1.tm	Method	TBLASTX:Maize
Start	6984	End	7419
GI	none	Score	88
Exons	6984..7097, 7089..7181, 7164..7280, 7187..7282, 7294..7374, 7381..7419, 7384..7404		

Seq. No.	30181	Seq. ID	OJ990619_30.9927.C18
Gene No.	62301	Strand	+
Start	6972	End	9461
Name	OJ990619_30.9927.C18.o2.tm	Method	TBLASTX:Maize
Start	7420	End	7762
GI	none	Score	101
Exons	7420..7518, 7428..7520, 7439..7576, 7547..7762, 7553..7762		

Seq. No.	30182	Seq. ID	OJ990619_30.9927.C19
Gene No.	62302	Strand	+
Start	6065	End	7993
Name	OJ990619_30.9927.C19.o1.gs	Method	GENSCAN
Start	6065	End	7993
GI	none	Score	.42
Exons	6065..6208, 6555..6848, 7168..7432, 7676..7784, 7828..7993		

Seq. No.	30183	Seq. ID	OJ990619_30.9927.C20
Gene No.	62303	Strand	+
Start	5526	End	5932
Name	OJ990619_30.9927.C20.o1.gp	Method	AAT/GAP
Start	5526	End	5932
GI	none	Score	805
Exons	5526..5932		

Seq. No.	30183	Seq. ID	OJ990619_30.9927.C20
Gene No.	62304	Strand	-

Start	8114	End	8404
Name	OJ990619_30.9927.C20.o3.gs	Method	GENSCAN
Start	8114	End	8404
GI	none	Score	.91
Exons	8114..8404		

Seq. No.	30183	Seq. ID	OJ990619_30.9927.C20
Gene No.	62305	Strand	-
Start	10168	End	12443
Name	OJ990619_30.9927.C20.o4.gs	Method	GENSCAN
Start	10168	End	12443
GI	none	Score	.92
Exons	10168..10433, 12335..12443		

Seq. No.	30183	Seq. ID	OJ990619_30.9927.C20
Gene No.	62306	Strand	-
Start	14380	End	15293
Name	OJ990619_30.9927.C20.o5.gs	Method	GENSCAN
Start	14380	End	15293
GI	none	Score	.8
Exons	14380..14516, 14920..15072, 15131..15293		

Seq. No.	30183	Seq. ID	OJ990619_30.9927.C20
Gene No.	62307	Strand	-
Start	15629	End	16099
Name	OJ990619_30.9927.C20.o6.gs	Method	GENSCAN
Start	15629	End	16099
GI	none	Score	.72
Exons	15629..15906, 16002..16099		

Seq. No.	30184	Seq. ID	OJ990619_30.9927.C22
Gene No.	62308	Strand	+
Start	74	End	154
Name	OJ990619_30.9927.C22.o1.gs	Method	GENSCAN
Start	74	End	154
GI	none	Score	.55
Exons	74..154		

Seq. No.	30185	Seq. ID	OJ990619_30.9927.C24
Gene No.	62309	Strand	+
Start	1	End	268
Name	OJ990619_30.9927.C24.o1.gp	Method	AAT/GAP
Start	1	End	268
GI	101153_1.R1084	Score	405
Exons	1..268		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	30185	Seq. ID	OJ990619_30.9927.C24
Gene No.	62310	Strand	+
Start	286	End	413
Name	OJ990619_30.9927.C24.o2.gp	Method	AAT/GAP
Start	286	End	413
GI	2428185	Score	252
Exons	286..413		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	30186	Seq. ID	OJ990619_30.9927.C25
Gene No.	62311	Strand	+
Start	112	End	618
Name	OJ990619_30.9927.C25.o1.np	Method	AAT/NAP
Start	112	End	618
GI	6815062	Score	96
Exons	112..618		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	30186	Seq. ID	OJ990619_30.9927.C25
Gene No.	62311	Strand	+
Start	112	End	618
Name	OJ990619_30.9927.C25.o1.gs	Method	GENSCAN
Start	192	End	510
GI	none	Score	.65
Exons	192..510		

Seq. No.	30187	Seq. ID	OJ990619_33.9922.C1
Gene No.	62312	Strand	+
Start	761	End	3911
Name	OJ990619_33.9922.C1.o1.gs	Method	GENSCAN
Start	761	End	3911
GI	none	Score	.46
Exons	761..910, 1187..1626, 3170..3911		

Seq. No.	30187	Seq. ID	OJ990619_33.9922.C1
Gene No.	62313	Strand	-
Start	4344	End	8501
Name	OJ990619_33.9922.C1.o2.gs	Method	GENSCAN
Start	4344	End	8273
GI	none	Score	.68
Exons	4344..4448, 4586..4636, 4819..5049, 6103..6269, 6468..6583, 7579..7696, 7964..8038, 8120..8273		

Seq. No.	30187	Seq. ID	OJ990619_33.9922.C1
Gene No.	62313	Strand	-
Start	4344	End	8501
Name	OJ990619_33.9922.C1.o1.np	Method	AAT/NAP
Start	6202	End	8501
GI	6705984	Score	1806
Exons	6202..7500, 8394..8501		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	30187	Seq. ID	OJ990619_33.9922.C1
Gene No.	62313	Strand	-
Start	4344	End	8501
Name	OJ990619_33.9922.C1.o2.tm	Method	TBLASTX:Maize
Start	6226	End	6472
GI	none	Score	210
Exons	6226..6471, 6227..6472		

Seq. No.	30187	Seq. ID	OJ990619_33.9922.C1
Gene No.	62313	Strand	-
Start	4344	End	8501

Name	OJ990619_33.9922.C1.o1.tw	Method	TBLASTX:Wheat
Start	6388	End	6789
GI	none	Score	117
Exons	6388..6582, 6391..6789, 6401..6787, 6625..6789		

Seq. No.	30187	Seq. ID	OJ990619_33.9922.C1
Gene No.	62313	Strand	-
Start	4344	End	8501
Name	OJ990619_33.9922.C1.o3.tm	Method	TBLASTX:Maize
Start	6628	End	6921
GI	none	Score	65
Exons	6628..6921, 6779..6913		

Seq. No.	30187	Seq. ID	OJ990619_33.9922.C1
Gene No.	62313	Strand	-
Start	4344	End	8501
Name	OJ990619_33.9922.C1.o2.tw	Method	TBLASTX:Wheat
Start	6820	End	7179
GI	none	Score	256
Exons	6820..7179, 6827..7174, 6829..7179		

Seq. No.	30187	Seq. ID	OJ990619_33.9922.C1
Gene No.	62313	Strand	-
Start	4344	End	8501
Name	OJ990619_33.9922.C1.o1.ts	Method	TBLASTX:Soybean
Start	6856	End	7200
GI	none	Score	55
Exons	6856..7038, 7051..7125, 7144..7200		

Seq. No.	30187	Seq. ID	OJ990619_33.9922.C1
Gene No.	62313	Strand	-
Start	4344	End	8501
Name	OJ990619_33.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	6924	End	7273
GI	none	Score	308
Exons	6924..7262, 6928..7272, 6929..7273		

Seq. No.	30187	Seq. ID	OJ990619_33.9922.C1
Gene No.	62313	Strand	-
Start	4344	End	8501
Name	OJ990619_33.9922.C1.o1.tc	Method	TBLASTX:Cress
Start	6991	End	7347
GI	none	Score	258
Exons	6991..7347, 6992..7318		

Seq. No.	30187	Seq. ID	OJ990619_33.9922.C1
Gene No.	62313	Strand	-
Start	4344	End	8501
Name	OJ990619_33.9922.C1.o3.tw	Method	TBLASTX:Wheat
Start	7305	End	7503
GI	none	Score	133
Exons	7305..7502, 7306..7503, 7307..7501		

Seq. No.	30187	Seq. ID	OJ990619_33.9922.C1
Gene No.	62313	Strand	-
Start	4344	End	8501
Name	OJ990619_33.9922.C1.o2.np	Method	AAT/NAP

Start	7578	End	8501
GI	6815052	Score	968
Exons	7578..7696, 7964..8038, 8120..8501		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	30188	Seq. ID	OJ990619_33.9922.C2
Gene No.	62314	Strand	-
Start	1	End	488
Name	OJ990619_33.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	488
GI	6705984	Score	293
Exons	1..488		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	30188	Seq. ID	OJ990619_33.9922.C2
Gene No.	62314	Strand	-
Start	1	End	488
Name	OJ990619_33.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	120	End	388
GI	none	Score	217
Exons	120..386, 128..388, 128..385		

Seq. No.	30189	Seq. ID	OJ990619_33.9922.C3
Gene No.	62315	Strand	+
Start	173	End	1444
Name	OJ990619_33.9922.C3.o1.np	Method	AAT/NAP
Start	173	End	1444
GI	6498436	Score	248
Exons	173..381, 430..609, 1422..1444		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	30189	Seq. ID	OJ990619_33.9922.C3
Gene No.	62316	Strand	-
Start	1	End	1308
Name	OJ990619_33.9922.C3.o2.np	Method	AAT/NAP
Start	1	End	1296
GI	6498436	Score	773
Exons	1..136, 592..1296		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	30189	Seq. ID	OJ990619_33.9922.C3
Gene No.	62316	Strand	-
Start	1	End	1308
Name	OJ990619_33.9922.C3.o2.gs	Method	GENSCAN
Start	808	End	1308
GI	none	Score	.99
Exons	808..1308		

Seq. No.	30190	Seq. ID	OJ990619_33.9922.C6
Gene No.	62317	Strand	+
Start	1103	End	4229
Name	OJ990619_33.9922.C6.o1.np	Method	AAT/NAP
Start	1103	End	4229
GI	5042447	Score	649
Exons	1103..1155, 1442..2435, 4206..4229		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	30190	Seq. ID	OJ990619_33.9922.C6
Gene No.	62317	Strand	+
Start	1103	End	4229
Name	OJ990619_33.9922.C6.o1.gs	Method	GENSCAN
Start	1551	End	2581
GI	none	Score	.53
Exons	1551..1985, 2144..2336, 2388..2581		

Seq. No.	30190	Seq. ID	OJ990619_33.9922.C6
Gene No.	62317	Strand	+
Start	1103	End	4229
Name	OJ990619_33.9922.C6.o2.np	Method	AAT/NAP
Start	1688	End	3855
GI	6063554	Score	87
Exons	1688..1739, 3236..3535, 3653..3855		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30190	Seq. ID	OJ990619_33.9922.C6
Gene No.	62318	Strand	-
Start	3274	End	3954
Name	OJ990619_33.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	1611	End	1967
GI	none	Score	277
Exons	1611..1967, 1619..1789, 1826..1912		

Seq. No.	30190	Seq. ID	OJ990619_33.9922.C6
Gene No.	62318	Strand	-
Start	3274	End	3954
Name	OJ990619_33.9922.C6.o2.gs	Method	GENSCAN
Start	3274	End	3954
GI	none	Score	.95
Exons	3274..3539, 3669..3954		

Seq. No.	30191	Seq. ID	OJ990619_33.9922.C7
Gene No.	62319	Strand	-
Start	697	End	791
Name	OJ990619_33.9922.C7.o1.gp	Method	AAT/GAP
Start	697	End	791
GI	20088_1.R1084	Score	151
Exons	697..791		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 3.0e-72 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	30192	Seq. ID	OJ990619_33.9922.C8
Gene No.	62320	Strand	+
Start	1268	End	3245
Name	OJ990619_33.9922.C8.o1.gs	Method	GENSCAN
Start	1268	End	3245
GI	none	Score	.5
Exons	1268..1734, 2678..2762, 2838..3245		

Seq. No.	30192	Seq. ID	OJ990619_33.9922.C8
Gene No.	62321	Strand	-
Start	677	End	988

Name	OJ990619_33.9922.C8.o1.gp	Method	AAT/GAP
Start	677	End	988
GI	2309703	Score	495
Exons	677..988		

Seq. No.	30192	Seq. ID	OJ990619_33.9922.C8
Gene No.	62322	Strand	-
Start	2981	End	8614
Name	OJ990619_33.9922.C8.o2.np	Method	AAT/NAP
Start	2981	End	7627
GI	5852181	Score	120
Exons	2981..3001, 4220..4523, 7564..7627		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	30192	Seq. ID	OJ990619_33.9922.C8
Gene No.	62322	Strand	-
Start	2981	End	8614
Name	OJ990619_33.9922.C8.o2.gs	Method	GENSCAN
Start	3910	End	6978
GI	none	Score	.49
Exons	3910..4300, 6782..6978		

Seq. No.	30192	Seq. ID	OJ990619_33.9922.C8
Gene No.	62322	Strand	-
Start	2981	End	8614
Name	OJ990619_33.9922.C8.o1.np	Method	AAT/NAP
Start	3961	End	4247
GI	4544372	Score	117
Exons	3961..4247		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	30192	Seq. ID	OJ990619_33.9922.C8
Gene No.	62322	Strand	-
Start	2981	End	8614
Name	OJ990619_33.9922.C8.o1.ts	Method	TBLASTX:Soybean
Start	3967	End	4200
GI	none	Score	48
Exons	3967..4200, 3968..3991, 4019..4198, 4033..4200		

Seq. No.	30192	Seq. ID	OJ990619_33.9922.C8
Gene No.	62322	Strand	-
Start	2981	End	8614
Name	OJ990619_33.9922.C8.o3.np	Method	AAT/NAP
Start	5475	End	7020
GI	115840	Score	75
Exons	5475..5565, 6858..7020		
GI Descrip.	CCAAT-BINDING TRANSCRIPTION FACTOR SUBUNIT A (CBF-A) (NF-Y PROTEIN CHAIN B) (NF-YB) (CAAT-BOX DNA BINDING PROTEIN SUBUNIT B)		

Seq. No.	30192	Seq. ID	OJ990619_33.9922.C8
Gene No.	62322	Strand	-
Start	2981	End	8614
Name	OJ990619_33.9922.C8.o3.gs	Method	GENSCAN
Start	7342	End	8614
GI	none	Score	.9

Exons	7342..7637, 7853..7928, 8585..8614		
Seq. No.	30193	Seq. ID	OJ990619_33.9922.C9
Gene No.	62323	Strand	+
Start	1295	End	2049
Name	OJ990619_33.9922.C9.o3.np	Method	AAT/NAP
Start	1295	End	2049
GI	6815052	Score	388
Exons	1295..1498, 1580..1653, 1931..2049		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	30193	Seq. ID	OJ990619_33.9922.C9
Gene No.	62324	Strand	-
Start	1	End	1314
Name	OJ990619_33.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	505
GI	6815052	Score	363
Exons	1..65, 196..270, 352..505		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	30193	Seq. ID	OJ990619_33.9922.C9
Gene No.	62324	Strand	-
Start	1	End	1314
Name	OJ990619_33.9922.C9.o2.np	Method	AAT/NAP
Start	1	End	1314
GI	6705984	Score	1084
Exons	1..30, 516..1314		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		
Seq. No.	30193	Seq. ID	OJ990619_33.9922.C9
Gene No.	62324	Strand	-
Start	1	End	1314
Name	OJ990619_33.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	503	End	747
GI	none	Score	102
Exons	503..733, 515..613, 516..746, 520..747		
Seq. No.	30193	Seq. ID	OJ990619_33.9922.C9
Gene No.	62324	Strand	-
Start	1	End	1314
Name	OJ990619_33.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	642	End	1211
GI	none	Score	115
Exons	642..1211, 766..1080		
Seq. No.	30193	Seq. ID	OJ990619_33.9922.C9
Gene No.	62324	Strand	-
Start	1	End	1314
Name	OJ990619_33.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	667	End	926
GI	none	Score	188
Exons	667..897, 669..926		
Seq. No.	30193	Seq. ID	OJ990619_33.9922.C9
Gene No.	62324	Strand	-
Start	1	End	1314
Name	OJ990619_33.9922.C9.o2.tw	Method	TBLASTX:Wheat

Start	834	End	1235
GI	none	Score	82
Exons	834..1235, 943..1233		

Seq. No.	30193	Seq. ID	OJ990619_33.9922.C9
Gene No.	62324	Strand	-
Start	1	End	1314
Name	OJ990619_33.9922.C9.o2.ts	Method	TBLASTX:Soybean
Start	960	End	1307
GI	none	Score	106
Exons	960..1307, 961..1299		

Seq. No.	30194	Seq. ID	OJ990619_33.9922.C10
Gene No.	62325	Strand	+
Start	1	End	10034
Name	OJ990619_33.9922.C10.o1.np	Method	AAT/NAP
Start	1	End	3332
GI	6815052	Score	1431
Exons	1..114, 978..1070, 1850..1994, 2043..2777, 2859..2932, 3213..3332		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	30194	Seq. ID	OJ990619_33.9922.C10
Gene No.	62325	Strand	+
Start	1	End	10034
Name	OJ990619_33.9922.C10.o1.gs	Method	GENSCAN
Start	1190	End	10034
GI	none	Score	.51
Exons	1190..1319, 1749..1994, 2604..2777, 3214..3331, 6148..6230, 6796..7047, 8599..8882, 8963..9098, 9230..9279, 9360..10034		

Seq. No.	30194	Seq. ID	OJ990619_33.9922.C10
Gene No.	62326	Strand	+
Start	11621	End	16071
Name	OJ990619_33.9922.C10.o2.gs	Method	GENSCAN
Start	11621	End	16071
GI	none	Score	.53
Exons	11621..11913, 12125..12176, 12290..13192, 13463..14266, 14362..14995, 15276..15365, 15920..16071		

Seq. No.	30194	Seq. ID	OJ990619_33.9922.C10
Gene No.	62327	Strand	+
Start	23092	End	25707
Name	OJ990619_33.9922.C10.o4.gs	Method	GENSCAN
Start	23092	End	25707
GI	none	Score	.42
Exons	23092..23166, 23637..23732, 23971..24127, 24185..24322, 25601..25707		

Seq. No.	30194	Seq. ID	OJ990619_33.9922.C10
Gene No.	62328	Strand	-
Start	16311	End	25840
Name	OJ990619_33.9922.C10.o4.ts	Method	TBLASTX:Soybean
Start	1313	End	1687
GI	none	Score	107
Exons	1313..1498, 1493..1687		

Seq. No.	30194	Seq. ID	OJ990619_33.9922.C10
Gene No.	62328	Strand	-
Start	16311	End	25840
Name	OJ990619_33.9922.C10.o5.tw	Method	TBLASTX:Wheat
Start	1326	End	1943
GI	none	Score	58
Exons	1326..1478, 1499..1789, 1875..1943		

Seq. No.	30194	Seq. ID	OJ990619_33.9922.C10
Gene No.	62328	Strand	-
Start	16311	End	25840
Name	OJ990619_33.9922.C10.o3.tw	Method	TBLASTX:Wheat
Start	2934	End	25765
GI	none	Score	57
Exons	2934..3017, 17036..17425, 17118..17381, 25376..25432, 25463..25765		

Seq. No.	30194	Seq. ID	OJ990619_33.9922.C10
Gene No.	62328	Strand	-
Start	16311	End	25840
Name	OJ990619_33.9922.C10.o4.tm	Method	TBLASTX:Maize
Start	3738	End	4230
GI	none	Score	42
Exons	3738..3788, 3802..4023, 3803..4027, 3825..4217, 3825..4031, 4029..4073, 4099..4230, 4133..4228		

Seq. No.	30194	Seq. ID	OJ990619_33.9922.C10
Gene No.	62328	Strand	-
Start	16311	End	25840
Name	OJ990619_33.9922.C10.o2.ts	Method	TBLASTX:Soybean
Start	10454	End	16529
GI	none	Score	52
Exons	10454..10495, 10459..10668, 10532..10660, 16320..16487, 16482..16529		

Seq. No.	30194	Seq. ID	OJ990619_33.9922.C10
Gene No.	62328	Strand	-
Start	16311	End	25840
Name	OJ990619_33.9922.C10.o7.tw	Method	TBLASTX:Wheat
Start	10519	End	16918
GI	none	Score	59
Exons	10519..10614, 10755..10907, 10971..11042, 16323..16448, 16330..16449, 16641..16760, 16799..16918		

Seq. No.	30194	Seq. ID	OJ990619_33.9922.C10
Gene No.	62328	Strand	-
Start	16311	End	25840
Name	OJ990619_33.9922.C10.o3.gs	Method	GENSCAN
Start	16311	End	21785
GI	none	Score	.7
Exons	16311..16476, 16884..17053, 17111..17693, 17759..18407, 18650..18887, 18963..19443, 19782..19918, 19971..20710, 20819..21029, 21122..21304, 21333..21785		

Seq. No.	30194	Seq. ID	OJ990619_33.9922.C10
Gene No.	62328	Strand	-
Start	16311	End	25840

Name	OJ990619_33.9922.C10.o2.np	Method	AAT/NAP
Start	16314	End	20811
GI	4206306	Score	2109
Exons	16314..19727, 20736..20811		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	30194	Seq. ID	OJ990619_33.9922.C10
Gene No.	62328	Strand	-
Start	16311	End	25840
Name	OJ990619_33.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	16904	End	25609
GI	none	Score	223
Exons	16904..17266, 16905..17174, 25376..25453, 25451..25609		

Seq. No.	30194	Seq. ID	OJ990619_33.9922.C10
Gene No.	62328	Strand	-
Start	16311	End	25840
Name	OJ990619_33.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	17120	End	25690
GI	none	Score	71
Exons	17120..17347, 17214..17336, 25409..25690, 25410..25625		

Seq. No.	30194	Seq. ID	OJ990619_33.9922.C10
Gene No.	62328	Strand	-
Start	16311	End	25840
Name	OJ990619_33.9922.C10.o3.tm	Method	TBLASTX:Maize
Start	17267	End	25840
GI	none	Score	71
Exons	17267..17533, 17268..17408, 25610..25840		

Seq. No.	30194	Seq. ID	OJ990619_33.9922.C10
Gene No.	62328	Strand	-
Start	16311	End	25840
Name	OJ990619_33.9922.C10.o2.tw	Method	TBLASTX:Wheat
Start	17735	End	18166
GI	none	Score	115
Exons	17735..17908, 17743..18165, 17930..18166		

Seq. No.	30194	Seq. ID	OJ990619_33.9922.C10
Gene No.	62328	Strand	-
Start	16311	End	25840
Name	OJ990619_33.9922.C10.o3.ts	Method	TBLASTX:Soybean
Start	17809	End	18168
GI	none	Score	65
Exons	17809..18168, 17810..18025		

Seq. No.	30194	Seq. ID	OJ990619_33.9922.C10
Gene No.	62328	Strand	-
Start	16311	End	25840
Name	OJ990619_33.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	18534	End	18888
GI	none	Score	223
Exons	18534..18887, 18535..18888		

Seq. No.	30194	Seq. ID	OJ990619_33.9922.C10
Gene No.	62328	Strand	-
Start	16311	End	25840

Name	OJ990619_33.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	18561	End	19016
GI	none	Score	291
Exons	18561..19016, 18562..18981		

Seq. No.	30194	Seq. ID	OJ990619_33.9922.C10
Gene No.	62328	Strand	-
Start	16311	End	25840
Name	OJ990619_33.9922.C10.o4.tw	Method	TBLASTX:Wheat
Start	19221	End	19580
GI	none	Score	88
Exons	19221..19442, 19222..19443, 19449..19580		

Seq. No.	30194	Seq. ID	OJ990619_33.9922.C10
Gene No.	62328	Strand	-
Start	16311	End	25840
Name	OJ990619_33.9922.C10.o6.tw	Method	TBLASTX:Wheat
Start	20373	End	20717
GI	none	Score	185
Exons	20373..20717		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62329	Strand	+
Start	2233	End	7658
Name	OJ990619_33.9922.C11.o2.gs	Method	GENSCAN
Start	2233	End	7658
GI	none	Score	.76
Exons	2233..2260, 2976..3161, 3182..3529, 4658..4720, 4891..4989, 5074..5241, 5334..5399, 5445..5723, 6708..6925, 6972..7106, 7545..7658		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62330	Strand	+
Start	10323	End	15999
Name	OJ990619_33.9922.C11.o1.np	Method	AAT/NAP
Start	10323	End	15999
GI	6705984	Score	5604
Exons	10323..10375, 11959..15999		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62331	Strand	+
Start	18362	End	19293
Name	OJ990619_33.9922.C11.o3.np	Method	AAT/NAP
Start	18362	End	19293
GI	6498436	Score	625
Exons	18362..18909, 19175..19293		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62332	Strand	+
Start	27087	End	27464
Name	OJ990619_33.9922.C11.o7.gs	Method	GENSCAN
Start	27087	End	27464
GI	none	Score	.97
Exons	27087..27128, 27366..27464		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62333	Strand	-
Start	8463	End	11962
Name	OJ990619_33.9922.C11.o3.gs	Method	GENSCAN
Start	8463	End	11962
GI	none	Score	.55
Exons	8463..8468, 8515..8933, 8982..9117, 9550..9773, 11155..11249, 11254..11371, 11653..11962		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62334	Strand	-
Start	17780	End	26037
Name	OJ990619_33.9922.C11.o2.np	Method	AAT/NAP
Start	17780	End	20964
GI	6498436	Score	331
Exons	17780..17898, 18163..18382, 20927..20964		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62334	Strand	-
Start	17780	End	26037
Name	OJ990619_33.9922.C11.o4.np	Method	AAT/NAP
Start	19776	End	26037
GI	6691191	Score	2533
Exons	19776..22497, 25997..26037		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62334	Strand	-
Start	17780	End	26037
Name	OJ990619_33.9922.C11.o5.gs	Method	GENSCAN
Start	21005	End	22180
GI	none	Score	.67
Exons	21005..22180		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62334	Strand	-
Start	17780	End	26037
Name	OJ990619_33.9922.C11.o6.gs	Method	GENSCAN
Start	22475	End	23569
GI	none	Score	.99
Exons	22475..23569		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o9.tw	Method	TBLASTX:Wheat
Start	125	End	21485
GI	none	Score	102
Exons	125..274, 14293..14415, 14326..14454, 21266..21484, 21288..21485		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o2.tm	Method	TBLASTX:Maize
Start	284	End	21907
GI	none	Score	201

Exons	284..706, 285..596, 464..703, 697..747, 13825..14220, 13827..13943, 13983..14108, 21473..21907		
Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o3.ts	Method	TBLASTX:Soybean
Start	320	End	21838
GI	none	Score	339
Exons	320..649, 13909..14268, 14028..14255, 21488..21838, 21507..21677		
Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o3.tw	Method	TBLASTX:Wheat
Start	350	End	21910
GI	none	Score	61
Exons	350..703, 432..578, 13839..14216, 13843..14268, 21488..21910, 21489..21794, 21503..21889, 21858..21908		
Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o7.tw	Method	TBLASTX:Wheat
Start	706	End	22243
GI	none	Score	235
Exons	706..969, 707..946, 721..960, 958..1020, 988..1020, 13609..13806, 21932..22120, 22184..22243		
Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o4.tm	Method	TBLASTX:Maize
Start	769	End	22150
GI	none	Score	312
Exons	769..990, 13405..13821, 21941..22150		
Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o2.ts	Method	TBLASTX:Soybean
Start	817	End	22334
GI	none	Score	86
Exons	817..951, 964..1110, 13627..13761, 21986..22315, 21991..22113, 21998..22315, 22110..22334		
Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o6.tw	Method	TBLASTX:Wheat
Start	9172	End	33038
GI	none	Score	65
Exons	9172..9666, 9272..9430, 9376..9642, 11931..12332, 11970..12110, 11977..12324, 32742..33038		
Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-

Start	27665	End	36319
Name	OJ990619_33.9922.C11.o6.ts	Method	TBLASTX:Soybean
Start	9277	End	33224
GI	none	Score	139
Exons	9277..9468, 9535..9663, 11976..12116, 11977..12168, 32841..33032, 32904..33035, 33054..33224, 33058..33222		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o4.tw	Method	TBLASTX:Wheat
Start	12685	End	32306
GI	none	Score	342
Exons	12685..12960, 12697..12954, 12705..12959, 12959..13129, 12973..13167, 12978..13139, 31938..32072, 31969..32067, 32085..32306		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o5.ts	Method	TBLASTX:Soybean
Start	12736	End	32300
GI	none	Score	205
Exons	12736..13005, 12771..13001, 12997..13197, 31947..32048, 32040..32108, 32043..32300, 32209..32289		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o5.tm	Method	TBLASTX:Maize
Start	12925	End	32123
GI	none	Score	297
Exons	12925..13170, 12927..13136, 12931..13161, 31939..32106, 31947..32120, 31947..32123		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o11.tw	Method	TBLASTX:Wheat
Start	13221	End	13404
GI	none	Score	180
Exons	13221..13400, 13222..13404, 13291..13404		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o6.tm	Method	TBLASTX:Maize
Start	14224	End	21451
GI	none	Score	269
Exons	14224..14595, 14232..14441, 14650..14706, 21029..21340, 21332..21451		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o1.ts	Method	TBLASTX:Soybean
Start	14292	End	21457

GI	none	Score	351
Exons	14292..14549, 14293..14547, 21332..21457		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o1.tw	Method	TBLASTX:Wheat
Start	14469	End	21265
GI	none	Score	365
Exons	14469..14894, 14469..14894, 14470..14895, 14470..14895, 21029..21265		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o8.ts	Method	TBLASTX:Soybean
Start	14554	End	21253
GI	none	Score	161
Exons	14554..14658, 14568..14666, 14662..14748, 14664..14753, 21029..21070, 21089..21253		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o1.tc	Method	TBLASTX:Cress
Start	14845	End	15210
GI	none	Score	440
Exons	14845..15210, 14917..15207, 14985..15209		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o1.tm	Method	TBLASTX:Maize
Start	14929	End	15277
GI	none	Score	509
Exons	14929..15273, 14932..15270, 14939..15277, 14961..15272		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o5.tw	Method	TBLASTX:Wheat
Start	15022	End	15381
GI	none	Score	421
Exons	15022..15381, 15027..15371, 15073..15375		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o4.ts	Method	TBLASTX:Soybean
Start	15228	End	20572
GI	none	Score	126
Exons	15228..15434, 15229..15465, 20219..20533, 20220..20534, 20531..20572, 20532..20564		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319

Name	OJ990619_33.9922.C11.o8.tm	Method	TBLASTX:Maize
Start	15280	End	20551
GI	none	Score	222
Exons	15280..15573, 20114..20443, 20474..20551		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o2.tw	Method	TBLASTX:Wheat
Start	15412	End	20272
GI	none	Score	562
Exons	15412..15810, 15414..15800, 20084..20272		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o3.tm	Method	TBLASTX:Maize
Start	15577	End	15851
GI	none	Score	351
Exons	15577..15849, 15579..15851		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o7.tm	Method	TBLASTX:Maize
Start	15853	End	16092
GI	none	Score	222
Exons	15853..16041, 15855..15974, 15857..16015, 15889..16029, 16054..16092		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o7.ts	Method	TBLASTX:Soybean
Start	19869	End	20200
GI	none	Score	106
Exons	19869..19958, 19973..20092, 19989..20192, 20069..20200		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o10.tw	Method	TBLASTX:Wheat
Start	20273	End	20555
GI	none	Score	138
Exons	20273..20554, 20352..20555		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o8.tw	Method	TBLASTX:Wheat
Start	20555	End	20932
GI	none	Score	68
Exons	20555..20887, 20652..20849, 20900..20932		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319

Name	OJ990619_33.9922.C11.o2.tc	Method	TBLASTX:Cress
Start	20594	End	20977
GI	none	Score	69
Exons	20594..20896, 20595..20744, 20900..20977		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o8.gs	Method	GENSCAN
Start	27665	End	36319
GI	none	Score	.55
Exons	27665..27693, 28377..28501, 28543..28649, 29696..30286, 30333..30494, 30535..30717, 32256..32504, 32622..32973, 33169..33446, 34865..34962, 35560..35629, 35751..35808, 35813..35973, 36085..36319		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o5.np	Method	AAT/NAP
Start	29055	End	30952
GI	6907087	Score	995
Exons	29055..29156, 29696..30378, 30587..30952		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30195	Seq. ID	OJ990619_33.9922.C11
Gene No.	62335	Strand	-
Start	27665	End	36319
Name	OJ990619_33.9922.C11.o6.np	Method	AAT/NAP
Start	32360	End	34343
GI	3377854	Score	172
Exons	32360..32977, 34310..34343		
GI Descrip.	(AF076274) No definition line found [Arabidopsis thaliana]		

Seq. No.	30196	Seq. ID	OJ990619_33.9922.C12
Gene No.	62336	Strand	+
Start	1	End	524
Name	OJ990619_33.9922.C12.o1.np	Method	AAT/NAP
Start	1	End	524
GI	2498930	Score	43
Exons	1..24, 464..524		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	30196	Seq. ID	OJ990619_33.9922.C12
Gene No.	62337	Strand	+
Start	465	End	524
Name	OJ990619_33.9922.C12.o1.gs	Method	GENSCAN
Start	465	End	524
GI	none	Score	.91
Exons	465..524		

Seq. No.	30197	Seq. ID	OJ990619_32.9922.C1
Gene No.	62338	Strand	+
Start	499	End	3899

Name	OJ990619_32.9922.C1.o1.gs	Method	GENSCAN
Start	499	End	3899
GI	none	Score	.41
Exons	499..552, 3608..3761, 3847..3899		

Seq. No.	30197	Seq. ID	OJ990619_32.9922.C1
Gene No.	62338	Strand	+
Start	499	End	3899
Name	OJ990619_32.9922.C1.o1.np	Method	AAT/NAP
Start	1652	End	3021
GI	5669636	Score	236
Exons	1652..1829, 2380..2545, 2605..2651, 2979..3021		
GI Descrip.	(AF096247) ethylene-responsive elongation factor EF-Ts precursor [Lycopersicon esculentum]		

Seq. No.	30197	Seq. ID	OJ990619_32.9922.C1
Gene No.	62339	Strand	-
Start	2690	End	3036
Name	OJ990619_32.9922.C1.o1.tw	Method	TBLASTX:Wheat
Start	1630	End	2434
GI	none	Score	256
Exons	1630..1827, 1644..1847, 1657..1848, 1659..1829, 2357..2434, 2375..2434		

Seq. No.	30197	Seq. ID	OJ990619_32.9922.C1
Gene No.	62339	Strand	-
Start	2690	End	3036
Name	OJ990619_32.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	1643	End	2646
GI	none	Score	151
Exons	1643..1840, 1643..1828, 1644..1847, 2376..2477, 2380..2475, 2471..2503, 2602..2646, 2604..2645		

Seq. No.	30197	Seq. ID	OJ990619_32.9922.C1
Gene No.	62339	Strand	-
Start	2690	End	3036
Name	OJ990619_32.9922.C1.o1.tc	Method	TBLASTX:Cress
Start	1644	End	1847
GI	none	Score	195
Exons	1644..1847		

Seq. No.	30197	Seq. ID	OJ990619_32.9922.C1
Gene No.	62339	Strand	-
Start	2690	End	3036
Name	OJ990619_32.9922.C1.o1.gp	Method	AAT/GAP
Start	2690	End	3036
GI	5005428	Score	574
Exons	2690..3036		

Seq. No.	30198	Seq. ID	OJ990619_32.9922.C3
Gene No.	62340	Strand	-
Start	2691	End	6187
Name	OJ990619_32.9922.C3.o2.gs	Method	GENSCAN
Start	2691	End	6187
GI	none	Score	.72
Exons	2691..2842, 3158..3296, 3364..3482, 3598..3716, 4087..4212, 4931..5001, 5279..5343, 6055..6187		

Seq. No.	30199	Seq. ID	OJ990619_32.9922.C4
Gene No.	62341	Strand	-
Start	10	End	337
Name	OJ990619_32.9922.C4.o1.gs	Method	GENSCAN
Start	10	End	337
GI	none	Score	.91
Exons	10..96, 164..337		

Seq. No.	30200	Seq. ID	OJ990619_32.9922.C5
Gene No.	62342	Strand	+
Start	1	End	4107
Name	OJ990619_32.9922.C5.o1.np	Method	AAT/NAP
Start	1	End	4107
GI	5042463	Score	367
Exons	1..56, 1130..1328, 2010..2167, 2214..2289, 4054..4107		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	30200	Seq. ID	OJ990619_32.9922.C5
Gene No.	62342	Strand	+
Start	1	End	4107
Name	OJ990619_32.9922.C5.o1.gs	Method	GENSCAN
Start	1085	End	2171
GI	none	Score	.93
Exons	1085..1328, 1858..2171		

Seq. No.	30200	Seq. ID	OJ990619_32.9922.C5
Gene No.	62343	Strand	+
Start	4893	End	7269
Name	OJ990619_32.9922.C5.o2.np	Method	AAT/NAP
Start	4893	End	7269
GI	5852182	Score	151
Exons	4893..5028, 5940..6144, 7248..7269		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	30200	Seq. ID	OJ990619_32.9922.C5
Gene No.	62344	Strand	+
Start	15425	End	23561
Name	OJ990619_32.9922.C5.o4.gs	Method	GENSCAN
Start	15425	End	23346
GI	none	Score	.45
Exons	15425..15480, 17218..17292, 18190..18397, 18403..18656, 18737..18851, 19736..19892, 20076..20254, 21371..21422, 21526..21844, 22003..22046, 22510..22637, 22760..22837, 22911..23012, 23099..23148, 23247..23346		

Seq. No.	30200	Seq. ID	OJ990619_32.9922.C5
Gene No.	62344	Strand	+
Start	15425	End	23561
Name	OJ990619_32.9922.C5.o3.np	Method	AAT/NAP
Start	21416	End	23561
GI	5257268	Score	995
Exons	21416..21463, 21600..21844, 22003..22101, 22372..22637, 22760..22837, 22911..23012, 23099..23148, 23247..23346, 23468..23561		
GI Descrip.	(AP000364) Similar to putative SEC14 cytosolic factor. (Q10137) [Oryza sativa]		

Seq. No.	30200	Seq. ID	OJ990619_32.9922.C5
Gene No.	62345	Strand	-
Start	8888	End	13682
Name	OJ990619_32.9922.C5.o3.gs	Method	GENSCAN
Start	8888	End	13682
GI	none	Score	.6
Exons	8888..9070, 9139..9302, 10066..10281, 12320..12483, 13564..13682		

Seq. No.	30200	Seq. ID	OJ990619_32.9922.C5
Gene No.	62346	Strand	
Start	21525	End	23352
Name	OJ990619_32.9922.C5.o2.tw	Method	TBLASTX:Wheat
Start	21525	End	21691
GI	none	Score	172
Exons	21525..21635, 21525..21632, 21529..21651, 21631..21681, 21635..21691		

Seq. No.	30200	Seq. ID	OJ990619_32.9922.C5
Gene No.	62346	Strand	
Start	21525	End	23352
Name	OJ990619_32.9922.C5.o1.ts	Method	TBLASTX:Soybean
Start	21549	End	23352
GI	none	Score	87
Exons	21549..21620, 21629..21694, 21774..21851, 21989..22036, 22018..22101, 22020..22094, 22377..22430, 22419..22637, 22433..22636, 22436..22639, 22759..22836, 22760..22837, 22902..23024, 22922..23023, 23096..23143, 23099..23146, 23244..23333, 23245..23352		

Seq. No.	30200	Seq. ID	OJ990619_32.9922.C5
Gene No.	62346	Strand	
Start	21525	End	23352
Name	OJ990619_32.9922.C5.o1.tc	Method	TBLASTX:Cress
Start	22375	End	22612
GI	none	Score	292
Exons	22375..22608, 22377..22610, 22397..22612		

Seq. No.	30200	Seq. ID	OJ990619_32.9922.C5
Gene No.	62346	Strand	
Start	21525	End	23352
Name	OJ990619_32.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	22378	End	23331
GI	none	Score	53
Exons	22378..22491, 22386..22637, 22409..22636, 22531..22638, 22759..22836, 22760..22846, 22902..23024, 22917..23015, 22922..23023, 23099..23146, 23244..23330, 23245..23331		

Seq. No.	30200	Seq. ID	OJ990619_32.9922.C5
Gene No.	62346	Strand	
Start	21525	End	23352
Name	OJ990619_32.9922.C5.o1.tw	Method	TBLASTX:Wheat
Start	22392	End	23143
GI	none	Score	307
Exons	22392..22637, 22406..22654, 22407..22637, 22421..22657, 22760..22837, 22760..22837, 22902..23015, 22937..23014, 23099..23143		

Seq. No.	30200	Seq. ID	OJ990619_32.9922.C5
Gene No.	62346	Strand	
Start	21525	End	23352
Name	OJ990619_32.9922.C5.o2.tc	Method	TBLASTX:Cress
Start	22902	End	23352
GI	none	Score	170
Exons	22902..23015, 22922..23014, 23099..23143, 23244..23345, 23245..23352		

Seq. No.	30201	Seq. ID	OJ990619_32.9922.C7
Gene No.	62347	Strand	+
Start	179	End	259
Name	OJ990619_32.9922.C7.o1.gs	Method	GENSCAN
Start	179	End	259
GI	none	Score	.89
Exons	179..259		

Seq. No.	30201	Seq. ID	OJ990619_32.9922.C7
Gene No.	62348	Strand	-
Start	1068	End	3673
Name	OJ990619_32.9922.C7.o2.gs	Method	GENSCAN
Start	1068	End	3673
GI	none	Score	.48
Exons	1068..1137, 1205..1926, 3409..3613, 3621..3673		

Seq. No.	30201	Seq. ID	OJ990619_32.9922.C7
Gene No.	62348	Strand	-
Start	1068	End	3673
Name	OJ990619_32.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	1468	End	1926
GI	none	Score	70
Exons	1468..1659, 1468..1647, 1654..1926		

Seq. No.	30202	Seq. ID	OJ990619_32.9922.C8
Gene No.	62349	Strand	+
Start	896	End	3581
Name	OJ990619_32.9922.C8.o1.gs	Method	GENSCAN
Start	896	End	3581
GI	none	Score	.69
Exons	896..1058, 1373..1409, 2513..2756, 3534..3581		

Seq. No.	30202	Seq. ID	OJ990619_32.9922.C8
Gene No.	62350	Strand	-
Start	1	End	3112
Name	OJ990619_32.9922.C8.o2.np	Method	AAT/NAP
Start	1	End	3112
GI	4539658	Score	216
Exons	1..42, 1918..2095, 2260..2385, 3090..3112		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	30202	Seq. ID	OJ990619_32.9922.C8
Gene No.	62350	Strand	-
Start	1	End	3112
Name	OJ990619_32.9922.C8.o3.np	Method	AAT/NAP
Start	1	End	2386

GI	4539658	Score	216
Exons	1..42, 1918..2095, 2260..2386		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	30202	Seq. ID	OJ990619_32.9922.C8
Gene No.	62350	Strand	-
Start	1	End	3112
Name	OJ990619_32.9922.C8.o1.np	Method	AAT/NAP
Start	774	End	1438
GI	4680183	Score	197
Exons	774..865, 1370..1438		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	30202	Seq. ID	OJ990619_32.9922.C8
Gene No.	62350	Strand	-
Start	1	End	3112
Name	OJ990619_32.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	1632	End	2496
GI	none	Score	96
Exons	1632..1748, 1633..1758, 1636..1761, 1637..1774, 1746..1862, 1747..1875, 1754..1876, 1754..1876, 2240..2356, 2241..2366, 2244..2369, 2245..2382, 2354..2446, 2355..2450, 2451..2483, 2452..2496		

Seq. No.	30202	Seq. ID	OJ990619_32.9922.C8
Gene No.	62350	Strand	-
Start	1	End	3112
Name	OJ990619_32.9922.C8.o1.gp	Method	AAT/GAP
Start	1657	End	1907
GI	LIB3475-004-P1-K2-A5	Score	421
Exons	1657..1907		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	30202	Seq. ID	OJ990619_32.9922.C8
Gene No.	62350	Strand	-
Start	1	End	3112
Name	OJ990619_32.9922.C8.o2.gp	Method	AAT/GAP
Start	2265	End	2814
GI	LIB3475-004-P1-K2-A5	Score	403
Exons	2265..2526, 2789..2814		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	30203	Seq. ID	OJ990619_32.9922.C9
Gene No.	62351	Strand	+
Start	1697	End	8324
Name	OJ990619_32.9922.C9.o1.gs	Method	GENSCAN
Start	1697	End	5095
GI	none	Score	.49
Exons	1697..1774, 3155..3242, 3437..3556, 3582..3792, 4974..5095		

Seq. No.	30203	Seq. ID	OJ990619_32.9922.C9
Gene No.	62351	Strand	+
Start	1697	End	8324
Name	OJ990619_32.9922.C9.o1.np	Method	AAT/NAP

Start	4497	End	8324
GI	6069646	Score	104
Exons	4497..4538, 7630..7974, 8292..8324		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	30203	Seq. ID	OJ990619_32.9922.C9
Gene No.	62352	Strand	-
Start	6428	End	8074
Name	OJ990619_32.9922.C9.o2.gs	Method	GENSCAN
Start	6428	End	8074
GI	none	Score	.83
Exons	6428..6586, 6852..7031, 7924..8074		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62353	Strand	+
Start	322	End	3810
Name	OJ990619_32.9922.C11.o1.gs	Method	GENSCAN
Start	322	End	3810
GI	none	Score	.96
Exons	322..331, 3289..3519, 3725..3810		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62354	Strand	+
Start	5717	End	16768
Name	OJ990619_32.9922.C11.o3.gs	Method	GENSCAN
Start	5717	End	15278
GI	none	Score	.55
Exons	5717..5785, 5805..5947, 6033..6215, 6259..6327, 6424..6753, 6793..6913, 8956..9218, 9279..9958, 11044..11953, 12447..12574, 12782..13470, 15219..15278		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62354	Strand	+
Start	5717	End	16768
Name	OJ990619_32.9922.C11.o1.np	Method	AAT/NAP
Start	8905	End	16768
GI	2586082	Score	4588
Exons	8905..11571, 11643..11997, 15511..16768		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62354	Strand	+
Start	5717	End	16768
Name	OJ990619_32.9922.C11.o2.gp	Method	AAT/GAP
Start	14040	End	14120
GI	LIB3434-017-P1-K1-F5	Score	88
Exons	14040..14120		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62354	Strand	+
Start	5717	End	16768

Name	OJ990619_32.9922.C11.o3.gp	Method	AAT/GAP
Start	15244	End	15352
GI	uC-osflcyp088b12b1	Score	152
Exons	15244..15352		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62355	Strand	-
Start	1278	End	1352
Name	OJ990619_32.9922.C11.o1.gp	Method	AAT/GAP
Start	1278	End	1352
GI	2796844	Score	112
Exons	1278..1352		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62356	Strand	-
Start	4425	End	4712
Name	OJ990619_32.9922.C11.o2.gs	Method	GENSCAN
Start	4425	End	4712
GI	none	Score	.98
Exons	4425..4712		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62357	Strand	-
Start	17415	End	26227
Name	OJ990619_32.9922.C11.o5.tw	Method	TBLASTX:Wheat
Start	8944	End	9297
GI	none	Score	195
Exons	8944..9297, 9072..9296		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62357	Strand	-
Start	17415	End	26227
Name	OJ990619_32.9922.C11.o4.tm	Method	TBLASTX:Maize
Start	8983	End	9389
GI	none	Score	80
Exons	8983..9087, 9111..9332, 9112..9333, 9324..9389		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62357	Strand	-
Start	17415	End	26227
Name	OJ990619_32.9922.C11.o6.tm	Method	TBLASTX:Maize
Start	9718	End	9960
GI	none	Score	90
Exons	9718..9792, 9721..9807, 9822..9959, 9838..9960		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62357	Strand	-
Start	17415	End	26227
Name	OJ990619_32.9922.C11.o2.tw	Method	TBLASTX:Wheat
Start	9814	End	10128
GI	none	Score	225
Exons	9814..10008, 9832..10005, 10006..10128		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62357	Strand	-

Start	17415	End	26227
Name	OJ990619_32.9922.C11.o2.ts	Method	TBLASTX:Soybean
Start	10237	End	10648
GI	none	Score	204
Exons	10237..10449, 10238..10453, 10478..10648, 10494..10622		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62357	Strand	-
Start	17415	End	26227
Name	OJ990619_32.9922.C11.o1.tc	Method	TBLASTX:Cress
Start	10650	End	11102
GI	none	Score	150
Exons	10650..10847, 10670..10804, 10860..11102		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62357	Strand	-
Start	17415	End	26227
Name	OJ990619_32.9922.C11.o4.ts	Method	TBLASTX:Soybean
Start	10671	End	11084
GI	none	Score	128
Exons	10671..10850, 10860..11084		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62357	Strand	-
Start	17415	End	26227
Name	OJ990619_32.9922.C11.o3.tw	Method	TBLASTX:Wheat
Start	10761	End	11102
GI	none	Score	87
Exons	10761..10850, 10845..11102, 10886..10921, 10958..11098		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62357	Strand	-
Start	17415	End	26227
Name	OJ990619_32.9922.C11.o5.tm	Method	TBLASTX:Maize
Start	10764	End	11081
GI	none	Score	87
Exons	10764..10865, 10860..11081, 10958..11077		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62357	Strand	-
Start	17415	End	26227
Name	OJ990619_32.9922.C11.o7.tm	Method	TBLASTX:Maize
Start	11760	End	12005
GI	none	Score	191
Exons	11760..12005, 11771..11989		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62357	Strand	-
Start	17415	End	26227
Name	OJ990619_32.9922.C11.o5.ts	Method	TBLASTX:Soybean
Start	11772	End	11996
GI	none	Score	72
Exons	11772..11834, 11861..11989, 11862..11996		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62357	Strand	-
Start	17415	End	26227

Name	OJ990619_32.9922.C11.o4.tw	Method	TBLASTX:Wheat
Start	11900	End	15927
GI	none	Score	102
Exons	11900..12001, 11901..11990, 15531..15629, 15547..15750, 15558..15710, 15742..15927		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62357	Strand	-
Start	17415	End	26227
Name	OJ990619_32.9922.C11.o3.ts	Method	TBLASTX:Soybean
Start	15532	End	15840
GI	none	Score	118
Exons	15532..15636, 15544..15624, 15658..15840, 15661..15714		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62357	Strand	-
Start	17415	End	26227
Name	OJ990619_32.9922.C11.o1.tm	Method	TBLASTX:Maize
Start	15538	End	15930
GI	none	Score	353
Exons	15538..15930, 15558..15707		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62357	Strand	-
Start	17415	End	26227
Name	OJ990619_32.9922.C11.o1.tw	Method	TBLASTX:Wheat
Start	15928	End	16355
GI	none	Score	207
Exons	15928..16146, 15929..16147, 16146..16355, 16148..16354		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62357	Strand	-
Start	17415	End	26227
Name	OJ990619_32.9922.C11.o3.tm	Method	TBLASTX:Maize
Start	16039	End	16274
GI	none	Score	141
Exons	16039..16143, 16040..16150, 16058..16171, 16148..16246, 16149..16274, 16155..16274		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62357	Strand	-
Start	17415	End	26227
Name	OJ990619_32.9922.C11.o1.ts	Method	TBLASTX:Soybean
Start	16146	End	16717
GI	none	Score	228
Exons	16146..16397, 16148..16390, 16393..16497, 16402..16494, 16496..16717, 16580..16708		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62357	Strand	-
Start	17415	End	26227
Name	OJ990619_32.9922.C11.o2.tm	Method	TBLASTX:Maize
Start	16286	End	16711
GI	none	Score	108
Exons	16286..16390, 16287..16397, 16426..16500, 16499..16711, 16541..16693		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62357	Strand	-
Start	17415	End	26227
Name	OJ990619_32.9922.C11.o4.gs	Method	GENSCAN
Start	17415	End	22676
GI	none	Score	.62
Exons	17415..17772, 18121..18744, 18939..19014, 19898..20006, 21519..22676		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62357	Strand	-
Start	17415	End	26227
Name	OJ990619_32.9922.C11.o2.np	Method	AAT/NAP
Start	21561	End	24820
GI	4680341	Score	252
Exons	21561..22230, 24789..24820		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62357	Strand	-
Start	17415	End	26227
Name	OJ990619_32.9922.C11.o6.ts	Method	TBLASTX:Soybean
Start	21666	End	22148
GI	none	Score	108
Exons	21666..21839, 21882..21938, 22008..22148		

Seq. No.	30204	Seq. ID	OJ990619_32.9922.C11
Gene No.	62357	Strand	-
Start	17415	End	26227
Name	OJ990619_32.9922.C11.o5.gs	Method	GENSCAN
Start	23138	End	26227
GI	none	Score	.45
Exons	23138..23645, 24815..24945, 25028..25182, 25372..25462, 25541..25710, 25794..25862, 25944..26042, 26158..26227		

Seq. No.	30205	Seq. ID	OJ990619_32.9922.C12
Gene No.	62358	Strand	+
Start	914	End	1043
Name	OJ990619_32.9922.C12.o1.gp	Method	AAT/GAP
Start	914	End	1043
GI	uC-osf1cyp013a06b1	Score	167
Exons	914..1043		
GI Descrip.	'4538905/emb|CAB39642.1| 5.0e-36 (AL049482) putative protein [Arabidopsis thaliana]'		

Seq. No.	30205	Seq. ID	OJ990619_32.9922.C12
Gene No.	62359	Strand	-
Start	254	End	2778
Name	OJ990619_32.9922.C12.o1.gs	Method	GENSCAN
Start	254	End	2778
GI	none	Score	.96
Exons	254..559, 2689..2778		

Seq. No.	30205	Seq. ID	OJ990619_32.9922.C12
Gene No.	62360	Strand	-
Start	2845	End	2946
Name	OJ990619_32.9922.C12.o2.gp	Method	AAT/GAP

Start	2845	End	2946
GI	LIB3477-003-P1-K1-E9	Score	158
Exons	2845..2946		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	30206	Seq. ID	OJ990619_32.9922.C13
Gene No.	62361	Strand	+
Start	3666	End	5826
Name	OJ990619_32.9922.C13.o2.gs	Method	GENSCAN
Start	3666	End	5826
GI	none	Score	.41
Exons	3666..3721, 4212..4396, 5428..5526, 5789..5826		

Seq. No.	30206	Seq. ID	OJ990619_32.9922.C13
Gene No.	62362	Strand	+
Start	11020	End	13668
Name	OJ990619_32.9922.C13.o1.np	Method	AAT/NAP
Start	11020	End	13668
GI	5042169	Score	1881
Exons	11020..11187, 11359..13668		
GI Descrip.	(AL078620) putative protein [Arabidopsis thaliana]		

Seq. No.	30206	Seq. ID	OJ990619_32.9922.C13
Gene No.	62363	Strand	-
Start	1346	End	3107
Name	OJ990619_32.9922.C13.o1.gs	Method	GENSCAN
Start	1346	End	3107
GI	none	Score	.4
Exons	1346..1838, 2049..2237, 2614..2773, 2999..3107		

Seq. No.	30206	Seq. ID	OJ990619_32.9922.C13
Gene No.	62363	Strand	-
Start	1346	End	3107
Name	OJ990619_32.9922.C13.o2.tm	Method	TBLASTX:Maize
Start	1883	End	2500
GI	none	Score	73
Exons	1883..2164, 2195..2464, 2219..2500		

Seq. No.	30206	Seq. ID	OJ990619_32.9922.C13
Gene No.	62363	Strand	-
Start	1346	End	3107
Name	OJ990619_32.9922.C13.o2.ts	Method	TBLASTX:Soybean
Start	2219	End	2543
GI	none	Score	97
Exons	2219..2542, 2223..2543		

Seq. No.	30206	Seq. ID	OJ990619_32.9922.C13
Gene No.	62364	Strand	
Start	11440	End	13680
Name	OJ990619_32.9922.C13.o2.tc	Method	TBLASTX:Cress
Start	11440	End	13038
GI	none	Score	87
Exons	11440..11589, 11443..11577, 11443..11673, 11446..11841, 11607..11900, 11608..11892, 11609..11677, 11674..11835, 11767..12201, 11913..12143, 11974..12159, 12064..12384,		

12211..12366, 12568..12801, 12568..12801, 12583..12810,
12612..12743, 12670..13038, 12684..13037, 12823..13035

Seq. No.	30206	Seq. ID	OJ990619_32.9922.C13
Gene No.	62364	Strand	
Start	11440	End	13680
Name	OJ990619_32.9922.C13.o1.tm	Method	TBLASTX:Maize
Start	11443	End	13680
GI	none	Score	137

Exons 11443..11985, 11461..11607, 11632..11904, 11641..11904,
11815..12207, 11889..12146, 11899..12207, 11965..12309,
12112..12498, 12210..12449, 12211..12612, 12214..12549,
12276..12446, 12517..12837, 12633..12755, 12640..12915,
12724..13104, 12820..13680, 12820..13140, 12864..13559,
12912..13136, 13114..13188

Seq. No.	30206	Seq. ID	OJ990619_32.9922.C13
Gene No.	62364	Strand	
Start	11440	End	13680
Name	OJ990619_32.9922.C13.o3.ts	Method	TBLASTX:Soybean
Start	11461	End	13041
GI	none	Score	79

Exons 11461..11577, 11601..11777, 11608..11850, 11752..11922,
11820..12089, 11974..12132, 12058..12465, 12082..12252,
12084..12470, 12358..12762, 12661..13041, 12819..12974

Seq. No.	30206	Seq. ID	OJ990619_32.9922.C13
Gene No.	62364	Strand	
Start	11440	End	13680
Name	OJ990619_32.9922.C13.o1.tw	Method	TBLASTX:Wheat
Start	11592	End	13251
GI	none	Score	200

Exons 11592..11879, 11608..11913, 11860..12285, 12172..12576,
12475..12861, 12769..13248, 12945..13010, 13057..13251

Seq. No.	30206	Seq. ID	OJ990619_32.9922.C13
Gene No.	62364	Strand	
Start	11440	End	13680
Name	OJ990619_32.9922.C13.o1.tc	Method	TBLASTX:Cress
Start	12385	End	13638
GI	none	Score	80

Exons 12385..12546, 13039..13638, 13131..13583

Seq. No.	30206	Seq. ID	OJ990619_32.9922.C13
Gene No.	62364	Strand	
Start	11440	End	13680
Name	OJ990619_32.9922.C13.o1.ts	Method	TBLASTX:Soybean
Start	13128	End	13647
GI	none	Score	398

Exons 13128..13217, 13132..13647, 13444..13626

Seq. No.	30207	Seq. ID	OJ990619_32.9922.C14
Gene No.	62365	Strand	+
Start	478	End	1119
Name	OJ990619_32.9922.C14.o1.np	Method	AAT/NAP
Start	478	End	1119
GI	2498930	Score	726

Exons	478..546, 714..1119		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	30207	Seq. ID	OJ990619_32.9922.C14
Gene No.	62365	Strand	+
Start	478	End	1119
Name	OJ990619_32.9922.C14.o1.gs	Method	GENSCAN
Start	487	End	1108
GI	none	Score	1
Exons	487..546, 714..1108		
Seq. No.	30208	Seq. ID	OJ990619_32.9922.C15
Gene No.	62366	Strand	-
Start	163	End	10481
Name	OJ990619_32.9922.C15.o2.tm	Method	TBLASTX:Maize
Start	21	End	389
GI	none	Score	51
Exons	21..239, 118..234, 264..389, 265..372		
Seq. No.	30208	Seq. ID	OJ990619_32.9922.C15
Gene No.	62366	Strand	-
Start	163	End	10481
Name	OJ990619_32.9922.C15.o1.gs	Method	GENSCAN
Start	163	End	10430
GI	none	Score	.63
Exons	163..487, 2505..2691, 2745..2989, 4096..4121, 4499..4674, 4877..5151, 6053..6609, 6711..6751, 7001..7923, 8030..8302, 8378..8519, 8642..8841, 9161..10430		
Seq. No.	30208	Seq. ID	OJ990619_32.9922.C15
Gene No.	62366	Strand	-
Start	163	End	10481
Name	OJ990619_32.9922.C15.o1.np	Method	AAT/NAP
Start	1401	End	3123
GI	6063554	Score	172
Exons	1401..1572, 2628..2691, 2790..3123		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	30208	Seq. ID	OJ990619_32.9922.C15
Gene No.	62366	Strand	-
Start	163	End	10481
Name	OJ990619_32.9922.C15.o3.tm	Method	TBLASTX:Maize
Start	5898	End	6137
GI	none	Score	97
Exons	5898..6008, 6006..6074, 6060..6137		
Seq. No.	30208	Seq. ID	OJ990619_32.9922.C15
Gene No.	62366	Strand	-
Start	163	End	10481
Name	OJ990619_32.9922.C15.o2.ts	Method	TBLASTX:Soybean
Start	5910	End	6155
GI	none	Score	48
Exons	5910..6155, 5914..5955, 6025..6111		

Seq. No.	30208	Seq. ID	OJ990619_32.9922.C15
Gene No.	62366	Strand	-
Start	163	End	10481
Name	OJ990619_32.9922.C15.o2.np	Method	AAT/NAP
Start	5916	End	10481
GI	4544372	Score	634
Exons	5916..7759, 10440..10481		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	30208	Seq. ID	OJ990619_32.9922.C15
Gene No.	62366	Strand	-
Start	163	End	10481
Name	OJ990619_32.9922.C15.o3.tw	Method	TBLASTX:Wheat
Start	5931	End	6347
GI	none	Score	90
Exons	5931..6155, 6207..6347		

Seq. No.	30208	Seq. ID	OJ990619_32.9922.C15
Gene No.	62366	Strand	-
Start	163	End	10481
Name	OJ990619_32.9922.C15.o3.np	Method	AAT/NAP
Start	6124	End	9782
GI	4417309	Score	341
Exons	6124..6176, 7983..8381, 8565..8851, 9007..9422, 9609..9782		
GI Descrip.	(AC006446) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	30208	Seq. ID	OJ990619_32.9922.C15
Gene No.	62366	Strand	-
Start	163	End	10481
Name	OJ990619_32.9922.C15.o4.tm	Method	TBLASTX:Maize
Start	6770	End	7123
GI	none	Score	185
Exons	6770..7123		

Seq. No.	30208	Seq. ID	OJ990619_32.9922.C15
Gene No.	62366	Strand	-
Start	163	End	10481
Name	OJ990619_32.9922.C15.o2.tw	Method	TBLASTX:Wheat
Start	7502	End	7877
GI	none	Score	43
Exons	7502..7864, 7629..7739, 7794..7877		

Seq. No.	30208	Seq. ID	OJ990619_32.9922.C15
Gene No.	62366	Strand	-
Start	163	End	10481
Name	OJ990619_32.9922.C15.o1.ts	Method	TBLASTX:Soybean
Start	7637	End	7993
GI	none	Score	75
Exons	7637..7879, 7641..7754, 7791..7880, 7910..7993		

Seq. No.	30208	Seq. ID	OJ990619_32.9922.C15
Gene No.	62366	Strand	-
Start	163	End	10481
Name	OJ990619_32.9922.C15.o1.tw	Method	TBLASTX:Wheat
Start	8032	End	8441

GI	none	Score	57
Exons	8032..8433, 8033..8104, 8034..8441, 8085..8315, 8101..8424		

Seq. No.	30208	Seq. ID	OJ990619_32.9922.C15
Gene No.	62366	Strand	-
Start	163	End	10481
Name	OJ990619_32.9922.C15.o1.tm	Method	TBLASTX:Maize
Start	8119	End	8381
GI	none	Score	282
Exons	8119..8379, 8121..8381		

Seq. No.	30208	Seq. ID	OJ990619_32.9922.C15
Gene No.	62366	Strand	-
Start	163	End	10481
Name	OJ990619_32.9922.C15.o3.ts	Method	TBLASTX:Soybean
Start	8235	End	8603
GI	none	Score	144
Exons	8235..8369, 8385..8603		

Seq. No.	30208	Seq. ID	OJ990619_32.9922.C15
Gene No.	62366	Strand	-
Start	163	End	10481
Name	OJ990619_32.9922.C15.o4.ts	Method	TBLASTX:Soybean
Start	9084	End	9446
GI	none	Score	193
Exons	9084..9446		

Seq. No.	30209	Seq. ID	OJ990529_32.9919.C1
Gene No.	62367	Strand	+
Start	228	End	307
Name	OJ990529_32.9919.C1.o1.gs	Method	GENSCAN
Start	228	End	307
GI	none	Score	.93
Exons	228..307		

Seq. No.	30210	Seq. ID	OJ990529_32.9919.C2
Gene No.	62368	Strand	+
Start	4008	End	8649
Name	OJ990529_32.9919.C2.o2.gs	Method	GENSCAN
Start	4008	End	8649
GI	none	Score	.51
Exons	4008..4188, 5434..5576, 5621..6065, 6956..7100, 8104..8649		

Seq. No.	30210	Seq. ID	OJ990529_32.9919.C2
Gene No.	62368	Strand	+
Start	4008	End	8649
Name	OJ990529_32.9919.C2.o1.gp	Method	AAT/GAP
Start	5658	End	7472
GI	16260_1.R1084	Score	1420
Exons	5658..5844, 5935..6065, 6956..7100, 7175..7472		
GI Descrip.	'3063701/emb|CAA18592.1| 4.0e-47 (AL022537) putative protein [Arabidopsis thaliana]'		

Seq. No.	30210	Seq. ID	OJ990529_32.9919.C2
Gene No.	62368	Strand	+
Start	4008	End	8649
Name	OJ990529_32.9919.C2.o2.np	Method	AAT/NAP

Start	5702	End	7104
GI	3063701	Score	423
Exons	5702..5844, 5935..6065, 6956..7104		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	30210	Seq. ID	OJ990529_32.9919.C2
Gene No.	62369	Strand	-
Start	1	End	1889
Name	OJ990529_32.9919.C2.o1.np	Method	AAT/NAP
Start	1	End	1889
GI	3645898	Score	412
Exons	1..625, 1811..1889		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	30210	Seq. ID	OJ990529_32.9919.C2
Gene No.	62369	Strand	-
Start	1	End	1889
Name	OJ990529_32.9919.C2.o1.tm	Method	TBLASTX:Maize
Start	34	End	435
GI	none	Score	213
Exons	34..435		

Seq. No.	30210	Seq. ID	OJ990529_32.9919.C2
Gene No.	62369	Strand	-
Start	1	End	1889
Name	OJ990529_32.9919.C2.o1.gs	Method	GENSCAN
Start	93	End	693
GI	none	Score	.84
Exons	93..693		

Seq. No.	30210	Seq. ID	OJ990529_32.9919.C2
Gene No.	62369	Strand	-
Start	1	End	1889
Name	OJ990529_32.9919.C2.o3.ts	Method	TBLASTX:Soybean
Start	145	End	591
GI	none	Score	67
Exons	145..480, 484..591		

Seq. No.	30210	Seq. ID	OJ990529_32.9919.C2
Gene No.	62369	Strand	-
Start	1	End	1889
Name	OJ990529_32.9919.C2.o1.tw	Method	TBLASTX:Wheat
Start	193	End	621
GI	none	Score	59
Exons	193..621, 488..586, 493..588		

Seq. No.	30210	Seq. ID	OJ990529_32.9919.C2
Gene No.	62370	Strand	
Start	5698	End	7271
Name	OJ990529_32.9919.C2.o1.tc	Method	TBLASTX:Cress
Start	5698	End	7271
GI	none	Score	98
Exons	5698..5796, 5702..5797, 5804..5845, 5807..5842, 5929..6066, 5933..6070, 6931..7098, 6954..7088, 6954..7100, 6955..7101, 7169..7207, 7173..7220, 7203..7271		

Seq. No.	30210	Seq. ID	OJ990529_32.9919.C2
Gene No.	62370	Strand	
Start	5698	End	7271
Name	OJ990529_32.9919.C2.o1.ts	Method	TBLASTX:Soybean
Start	5701	End	6087
GI	none	Score	114
Exons	5701..5796, 5702..5797, 5807..5839, 5820..5840, 5929..6087, 5930..6070		

Seq. No.	30210	Seq. ID	OJ990529_32.9919.C2
Gene No.	62370	Strand	
Start	5698	End	7271
Name	OJ990529_32.9919.C2.o2.tm	Method	TBLASTX:Maize
Start	5948	End	7011
GI	none	Score	194
Exons	5948..6070, 5956..6066, 6954..7010, 6954..7010, 6955..7011		

Seq. No.	30210	Seq. ID	OJ990529_32.9919.C2
Gene No.	62370	Strand	
Start	5698	End	7271
Name	OJ990529_32.9919.C2.o2.ts	Method	TBLASTX:Soybean
Start	6954	End	7238
GI	none	Score	90
Exons	6954..7100, 6954..7100, 6955..7101, 7158..7238, 7166..7207		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62371	Strand	+
Start	1193	End	3868
Name	OJ990529_32.9919.C3.o1.gs	Method	GENSCAN
Start	1193	End	3868
GI	none	Score	.59
Exons	1193..1444, 1516..1661, 1676..1770, 2153..2346, 3471..3537, 3717..3868		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62372	Strand	+
Start	6449	End	7876
Name	OJ990529_32.9919.C3.o3.gs	Method	GENSCAN
Start	6449	End	7876
GI	none	Score	.65
Exons	6449..6701, 6858..6989, 7542..7876		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62373	Strand	+
Start	8658	End	10381
Name	OJ990529_32.9919.C3.o4.gs	Method	GENSCAN
Start	8658	End	10381
GI	none	Score	.61
Exons	8658..8784, 10245..10381		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62374	Strand	+
Start	22562	End	25543
Name	OJ990529_32.9919.C3.o9.gs	Method	GENSCAN
Start	22562	End	25543
GI	none	Score	.44
Exons	22562..22648, 23495..23666, 23893..24052, 24248..24464,		

24817..25025, 25219..25543

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62374	Strand	+
Start	22562	End	25543
Name	OJ990529_32.9919.C3.o2.gp	Method	AAT/GAP
Start	22806	End	23103
GI	12420_1.R1084	Score	491
Exons	22806..23103		
GI Descrip.	'4586449/dbj|BAA76393.1| 1.0e-35 (AB025187) cytochrome c oxidase subunit 6b-1 [Oryza sativa]'		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62375	Strand	+
Start	26761	End	35029
Name	OJ990529_32.9919.C3.o11.gs	Method	GENSCAN
Start	26761	End	35029
GI	none	Score	.53
Exons	26761..26993, 27292..27391, 28710..29306, 29406..29543, 29628..29741, 29820..30017, 30093..30191, 30269..30422, 30667..30735, 30849..30988, 31067..31255, 32628..32936, 32952..33114, 33549..35029		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62375	Strand	+
Start	26761	End	35029
Name	OJ990529_32.9919.C3.o3.np	Method	AAT/NAP
Start	34346	End	34999
GI	136746	Score	278
Exons	34346..34999		
GI Descrip.	FLAVONOL 3-O-GLUCOSYLTRANSFERASE (UDP-GLUCOSE FLAVONOID 3-O-GLUCOSYLTRANSFERASE) (BRONZE-1) gi|66580|pir||XUBHFG flavonol 3-O-glucosyltransferase (EC 2.4.1.91) - barley gi|295807|emb|CAA33729| (X15694) UDPglucose flavonol 3,0 glucosyl transferase [Hordeum vulgare]		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62376	Strand	+
Start	37255	End	40843
Name	OJ990529_32.9919.C3.o12.gs	Method	GENSCAN
Start	37255	End	40843
GI	none	Score	.69
Exons	37255..37429, 37711..37778, 38575..38618, 38711..38768, 38803..38976, 40775..40843		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62377	Strand	+
Start	50734	End	52245
Name	OJ990529_32.9919.C3.o6.np	Method	AAT/NAP
Start	50734	End	52245
GI	4191774	Score	1337
Exons	50734..51053, 51139..52245		
GI Descrip.	(AC005917) putative beta-1,3-glucanase [Arabidopsis thaliana]		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62377	Strand	+
Start	50734	End	52245

Name	OJ990529_32.9919.C3.o4.gp	Method	AAT/GAP
Start	50835	End	51059
GI	2427917	Score	409
Exons	50835..51059		
GI Descrip.	5042412/gb|AAD38251.1|AC006193_7 2.0e-11 (AC006193) Similar to glucan endo-1,3-beta-glucosidase precursor [Arabidopsis thaliana]		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62378	Strand	-
Start	4464	End	5441
Name	OJ990529_32.9919.C3.o2.gs	Method	GENSCAN
Start	4464	End	5441
GI	none	Score	.45
Exons	4464..4814, 4956..5441		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62379	Strand	-
Start	11755	End	12436
Name	OJ990529_32.9919.C3.o1.gp	Method	AAT/GAP
Start	11755	End	12436
GI	701783	Score	471
Exons	11755..11873, 12288..12436		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62380	Strand	-
Start	13789	End	15614
Name	OJ990529_32.9919.C3.o1.np	Method	AAT/NAP
Start	13789	End	15614
GI	3282521	Score	50
Exons	13789..14025, 15552..15614		
GI Descrip.	(AF025432) tyrosine/dopa decarboxylase [Papaver somniferum]		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62381	Strand	-
Start	18803	End	20285
Name	OJ990529_32.9919.C3.o7.gs	Method	GENSCAN
Start	18803	End	20285
GI	none	Score	.7
Exons	18803..18911, 20119..20180, 20199..20285		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62382	Strand	-
Start	21594	End	21866
Name	OJ990529_32.9919.C3.o8.gs	Method	GENSCAN
Start	21594	End	21866
GI	none	Score	.99
Exons	21594..21866		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62383	Strand	-
Start	25788	End	26363
Name	OJ990529_32.9919.C3.o10.gs	Method	GENSCAN
Start	25788	End	26363
GI	none	Score	.96
Exons	25788..25989, 26323..26363		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62384	Strand	-
Start	28148	End	28279
Name	OJ990529_32.9919.C3.o3.gp	Method	AAT/GAP
Start	28148	End	28279
GI	uC-osflcyp013a06b1	Score	172
Exons	28148..28279		
GI Descrip.	'4538905/emb|CAB39642.1| 5.0e-36 (AL049482) putative protein [Arabidopsis thaliana]'		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62385	Strand	-
Start	41742	End	43199
Name	OJ990529_32.9919.C3.o13.gs	Method	GENSCAN
Start	41742	End	43199
GI	none	Score	.99
Exons	41742..43199		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62385	Strand	-
Start	41742	End	43199
Name	OJ990529_32.9919.C3.o4.np	Method	AAT/NAP
Start	41750	End	43145
GI	136746	Score	295
Exons	41750..43145		
GI Descrip.	FLAVONOL 3-O-GLUCOSYLTRANSFERASE (UDP-GLUCOSE FLAVONOID 3-O-GLUCOSYLTRANSFERASE) (BRONZE-1) gi|66580|pir||XUBHFG flavonol 3-O-glucosyltransferase (EC 2.4.1.91) - barley gi|295807|emb|CAA33729| (X15694) UDPglucose flavonol 3,0 glucosyl transferase [Hordeum vulgare]		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62385	Strand	-
Start	41742	End	43199
Name	OJ990529_32.9919.C3.o5.np	Method	AAT/NAP
Start	41763	End	43151
GI	2232354	Score	374
Exons	41763..43151		
GI Descrip.	(AF006081) UDPG glucosyltransferase [Solanum berthaultii]		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62386	Strand	-
Start	48976	End	49222
Name	OJ990529_32.9919.C3.o14.gs	Method	GENSCAN
Start	48976	End	49222
GI	none	Score	.62
Exons	48976..49010, 49207..49222		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o10.tm	Method	TBLASTX:Maize
Start	13829	End	13963
GI	none	Score	175
Exons	13829..13963, 13830..13961, 13835..13963		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3

Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o8.tm	Method	TBLASTX:Maize
Start	24123	End	24539
GI	none	Score	239
Exons	24123..24509, 24225..24539		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o5.ts	Method	TBLASTX:Soybean
Start	24182	End	24506
GI	none	Score	272
Exons	24182..24484, 24183..24506		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o7.tm	Method	TBLASTX:Maize
Start	25679	End	25986
GI	none	Score	142
Exons	25679..25984, 25680..25985, 25686..25934, 25693..25986		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o8.ts	Method	TBLASTX:Soybean
Start	26787	End	26970
GI	none	Score	217
Exons	26787..26963, 26797..26970, 26800..26970		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o6.tc	Method	TBLASTX:Cress
Start	26788	End	26955
GI	none	Score	194
Exons	26788..26955, 26805..26954		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o12.tm	Method	TBLASTX:Maize
Start	26889	End	27068
GI	none	Score	192
Exons	26889..27065, 26890..27021, 26895..27068		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o3.tw	Method	TBLASTX:Wheat
Start	34229	End	42521
GI	none	Score	181
Exons	34229..34393, 34239..34289, 34268..34351, 34394..34495, 34409..34495, 42255..42356, 42280..42348, 42357..42521, 42388..42519		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o6.tm	Method	TBLASTX:Maize
Start	34244	End	42506
GI	none	Score	34
Exons	34244..34279, 34406..34438, 34442..34543, 34445..34558, 34576..34782, 34598..34759, 41991..42152, 41992..42174, 42163..42306, 42192..42305, 42312..42392, 42429..42506		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o4.ts	Method	TBLASTX:Soybean
Start	34313	End	42431
GI	none	Score	39
Exons	34313..34345, 34439..34555, 34583..34780, 34585..34779, 41988..42167, 41989..42165, 42195..42320, 42199..42312, 42372..42431		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o5.tc	Method	TBLASTX:Cress
Start	34442	End	42308
GI	none	Score	106
Exons	34442..34558, 34595..34759, 34597..34758, 41991..42155, 41992..42153, 42192..42308		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o4.tw	Method	TBLASTX:Wheat
Start	34496	End	42254
GI	none	Score	95
Exons	34496..34576, 34498..34578, 34595..34783, 34597..34785, 34638..34796, 41981..42112, 41988..42155, 41989..42153, 42172..42252, 42174..42254		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o5.tm	Method	TBLASTX:Maize
Start	37455	End	37904
GI	none	Score	243
Exons	37455..37805, 37463..37801, 37823..37900, 37827..37904		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o2.tw	Method	TBLASTX:Wheat
Start	37632	End	37997
GI	none	Score	323
Exons	37632..37997, 37766..37990		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-

Start	53413	End	64047
Name	OJ990529_32.9919.C3.o11.tm	Method	TBLASTX:Maize
Start	38076	End	55076
GI	none	Score	161
Exons	38076..38270, 38259..38357, 54966..55076		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o2.tm	Method	TBLASTX:Maize
Start	50776	End	51211
GI	none	Score	265
Exons	50776..50985, 50806..50985, 50967..51053, 50980..51051, 50983..51063, 51139..51198, 51140..51211, 51142..51210		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o8.tc	Method	TBLASTX:Cress
Start	50805	End	50985
GI	none	Score	187
Exons	50805..50900, 50806..50985		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o3.ts	Method	TBLASTX:Soybean
Start	50839	End	51838
GI	none	Score	139
Exons	50839..51051, 51140..51163, 51188..51286, 51317..51427, 51503..51670, 51520..51609, 51710..51757, 51779..51838		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o3.tc	Method	TBLASTX:Cress
Start	51140	End	51556
GI	none	Score	205
Exons	51140..51337, 51142..51333, 51317..51418, 51332..51415, 51415..51546, 51416..51556		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o1.tm	Method	TBLASTX:Maize
Start	51332	End	52159
GI	none	Score	503
Exons	51332..51466, 51334..51612, 51335..51835, 51605..51835, 51860..51907, 51875..51913, 51935..52159, 51955..52113		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o6.ts	Method	TBLASTX:Soybean
Start	51920	End	52159
GI	none	Score	261
Exons	51920..52159, 51934..52140		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o7.tc	Method	TBLASTX:Cress
Start	51932	End	52173
GI	none	Score	188
Exons	51932..52165, 51973..52173		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o16.gs	Method	GENSCAN
Start	53413	End	64047
GI	none	Score	.47
Exons	53413..53898, 53993..54545, 55262..55407, 55926..55982, 56557..56707, 56829..56878, 57038..57118, 57238..57337, 57421..57540, 58203..58333, 60966..61065, 61695..61907, 62121..62301, 62890..63004, 64036..64047		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o7.np	Method	AAT/NAP
Start	53419	End	54433
GI	5734739	Score	995
Exons	53419..53898, 53993..54343, 54371..54433		
GI Descrip.	(AC007259) Similar to syntaxin [Arabidopsis thaliana]		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o1.tc	Method	TBLASTX:Cress
Start	53497	End	54433
GI	none	Score	79
Exons	53497..53670, 53503..53916, 53504..53896, 53996..54349, 53997..54089, 54171..54362, 54410..54433		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o3.tm	Method	TBLASTX:Maize
Start	53503	End	54025
GI	none	Score	206
Exons	53503..53913, 53573..53893, 53993..54025		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o1.tw	Method	TBLASTX:Wheat
Start	53518	End	53895
GI	none	Score	250
Exons	53518..53895, 53522..53884		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047

Name	OJ990529_32.9919.C3.o1.ts	Method	TBLASTX:Soybean
Start	53594	End	54380
GI	none	Score	224
Exons	53594..53875, 53596..53913, 53996..54370, 53997..54245, 54312..54380		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o9.tm	Method	TBLASTX:Maize
Start	54077	End	54374
GI	none	Score	90
Exons	54077..54346, 54078..54374		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o8.np	Method	AAT/NAP
Start	55405	End	58096
GI	4538905	Score	992
Exons	55405..55612, 55717..55838, 55926..55982, 56557..56707, 56829..56878, 57038..57118, 57238..57337, 57421..57540, 58020..58096		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o2.tc	Method	TBLASTX:Cress
Start	55408	End	56863
GI	none	Score	85
Exons	55408..55581, 55411..55608, 55421..55612, 55479..55625, 55719..55844, 55732..55839, 55923..55988, 56557..56703, 56561..56707, 56828..56863		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o2.ts	Method	TBLASTX:Soybean
Start	55510	End	55988
GI	none	Score	109
Exons	55510..55611, 55511..55612, 55719..55844, 55723..55872, 55923..55988		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o4.tm	Method	TBLASTX:Maize
Start	56569	End	61425
GI	none	Score	198
Exons	56569..56706, 56570..56707, 56570..56713, 56823..56879, 56826..56882, 56827..56883, 56943..57119, 57026..57139, 57035..57139, 57214..57345, 57224..57343, 57408..57545, 57424..57540, 57629..57691, 58016..58084, 58019..58084, 58197..58232, 61365..61418, 61366..61425		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3

Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o4.tc	Method	TBLASTX:Cress
Start	57050	End	58084
GI	none	Score	74
Exons	57050..57139, 57209..57343, 57214..57345, 57408..57545, 57421..57528, 58019..58084		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o5.gp	Method	AAT/GAP
Start	57077	End	57545
GI	2309827	Score	403
Exons	57077..57118, 57235..57337, 57421..57545		
GI Descrip.	4538905/emb|CAB39642.1| 5.0e-36 (AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o6.gp	Method	AAT/GAP
Start	57160	End	57540
GI	2309827	Score	353
Exons	57160..57180, 57238..57337, 57421..57540		
GI Descrip.	4538905/emb|CAB39642.1| 5.0e-36 (AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o7.ts	Method	TBLASTX:Soybean
Start	57271	End	61418
GI	none	Score	60
Exons	57271..57336, 57284..57337, 57408..57545, 57421..57531, 58019..58084, 61365..61418		

Seq. No.	30211	Seq. ID	OJ990529_32.9919.C3
Gene No.	62387	Strand	-
Start	53413	End	64047
Name	OJ990529_32.9919.C3.o7.gp	Method	AAT/GAP
Start	58016	End	58080
GI	2309827	Score	87
Exons	58016..58080		
GI Descrip.	4538905/emb|CAB39642.1| 5.0e-36 (AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	30212	Seq. ID	OJ990529_32.9919.C4
Gene No.	62388	Strand	+
Start	1	End	1584
Name	OJ990529_32.9919.C4.o1.np	Method	AAT/NAP
Start	1	End	1584
GI	81286	Score	236
Exons	1..474, 1452..1584		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	30212	Seq. ID	OJ990529_32.9919.C4
Gene No.	62388	Strand	+
Start	1	End	1584
Name	OJ990529_32.9919.C4.o1.gs	Method	GENSCAN
Start	64	End	559
GI	none	Score	.49
Exons	64..559		

Seq. No.	30212	Seq. ID	OJ990529_32.9919.C4
Gene No.	62389	Strand	-
Start	1271	End	2114
Name	OJ990529_32.9919.C4.o2.gs	Method	GENSCAN
Start	1271	End	1973
GI	none	Score	.59
Exons	1271..1323, 1407..1499, 1545..1655, 1760..1862, 1911..1973		

Seq. No.	30212	Seq. ID	OJ990529_32.9919.C4
Gene No.	62389	Strand	-
Start	1271	End	2114
Name	OJ990529_32.9919.C4.o2.np	Method	AAT/NAP
Start	1508	End	2114
GI	6523547	Score	172
Exons	1508..2114		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62390	Strand	+
Start	1	End	6814
Name	OJ990529_32.9919.C5.o1.np	Method	AAT/NAP
Start	1	End	6814
GI	6466937	Score	2164
Exons	1..77, 2672..6814		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62390	Strand	+
Start	1	End	6814
Name	OJ990529_32.9919.C5.o1.gs	Method	GENSCAN
Start	456	End	6778
GI	none	Score	.86
Exons	456..557, 2350..2536, 2655..3241, 3257..5026, 5120..6778		

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62391	Strand	+
Start	10627	End	16175
Name	OJ990529_32.9919.C5.o3.gs	Method	GENSCAN
Start	10627	End	16175
GI	none	Score	.52
Exons	10627..10672, 10749..10839, 11709..11952, 12015..12130, 13383..13617, 13849..13992, 14044..14108, 14258..14590, 15626..15690, 15859..15965, 16035..16175		

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62392	Strand	+
Start	17772	End	17995

Name	OJ990529_32.9919.C5.o2.gp	Method	AAT/GAP
Start	17772	End	17995
GI	8022_1.R1084	Score	336
Exons	17772..17995		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62393	Strand	+
Start	21800	End	28177
Name	OJ990529_32.9919.C5.o4.gs	Method	GENSCAN
Start	21800	End	28177
GI	none	Score	.68
Exons	21800..21867, 23776..26687, 27145..27525, 27843..28177		

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62393	Strand	+
Start	21800	End	28177
Name	OJ990529_32.9919.C5.o2.np	Method	AAT/NAP
Start	23807	End	27600
GI	2982452	Score	1793
Exons	23807..23866, 23948..25174, 25400..26715, 27111..27600		
GI Descrip.	(AL022223) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62394	Strand	+
Start	31521	End	35128
Name	OJ990529_32.9919.C5.o3.np	Method	AAT/NAP
Start	31440	End	35128
GI	3287682	Score	971
Exons	31440..31571, 31695..31867, 32572..33343, 33449..33526, 33630..33755, 33984..34201, 34633..34877, 34989..35128		
GI Descrip.	(AC003979) Strong similarity to gb|M97657 poly(A)-binding protein (PABP5) from A. thaliana. [Arabidopsis thaliana]		

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62394	Strand	+
Start	31521	End	35128
Name	OJ990529_32.9919.C5.o5.gs	Method	GENSCAN
Start	31521	End	34846
GI	none	Score	.93
Exons	31521..31863, 32568..33343, 33630..33719, 34628..34846		

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62395	Strand	-
Start	8087	End	8265
Name	OJ990529_32.9919.C5.o2.gs	Method	GENSCAN
Start	8087	End	8265
GI	none	Score	.59
Exons	8087..8208, 8235..8265		

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62396	Strand	-
Start	9412	End	9461
Name	OJ990529_32.9919.C5.o9.tm	Method	TBLASTX:Maize
Start	2668	End	2896

GI	none	Score	197
Exons	2668..2895, 2669..2896		

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62396	Strand	-
Start	9412	End	9461
Name	OJ990529_32.9919.C5.o1.tw	Method	TBLASTX:Wheat
Start	3977	End	4459
GI	none	Score	390
Exons	3977..4459, 4081..4416, 4136..4426		

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62396	Strand	-
Start	9412	End	9461
Name	OJ990529_32.9919.C5.o5.ts	Method	TBLASTX:Soybean
Start	4016	End	4216
GI	none	Score	220
Exons	4016..4216		

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62396	Strand	-
Start	9412	End	9461
Name	OJ990529_32.9919.C5.o3.tm	Method	TBLASTX:Maize
Start	4028	End	4513
GI	none	Score	496
Exons	4028..4513, 4108..4509		

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62396	Strand	-
Start	9412	End	9461
Name	OJ990529_32.9919.C5.o3.ts	Method	TBLASTX:Soybean
Start	4436	End	4786
GI	none	Score	311
Exons	4436..4786		

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62396	Strand	-
Start	9412	End	9461
Name	OJ990529_32.9919.C5.o4.tw	Method	TBLASTX:Wheat
Start	4508	End	4906
GI	none	Score	233
Exons	4508..4786, 4772..4906		

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62396	Strand	-
Start	9412	End	9461
Name	OJ990529_32.9919.C5.o4.tm	Method	TBLASTX:Maize
Start	4589	End	5005
GI	none	Score	480
Exons	4589..5005, 4718..4810, 4729..4965, 4898..4975		

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62396	Strand	-
Start	9412	End	9461
Name	OJ990529_32.9919.C5.o8.tm	Method	TBLASTX:Maize
Start	5108	End	5401
GI	none	Score	172

Exons	5108..5233, 5119..5214, 5267..5401		
Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62396	Strand	-
Start	9412	End	9461
Name	OJ990529_32.9919.C5.o4.ts	Method	TBLASTX:Soybean
Start	5533	End	5875
GI	none	Score	292
Exons	5533..5874, 5552..5875		
Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62396	Strand	-
Start	9412	End	9461
Name	OJ990529_32.9919.C5.o5.tm	Method	TBLASTX:Maize
Start	5543	End	6103
GI	none	Score	459
Exons	5543..6103, 5608..6102		
Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62396	Strand	-
Start	9412	End	9461
Name	OJ990529_32.9919.C5.o3.tw	Method	TBLASTX:Wheat
Start	5723	End	6304
GI	none	Score	175
Exons	5723..5971, 5731..6054, 6014..6304		
Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62396	Strand	-
Start	9412	End	9461
Name	OJ990529_32.9919.C5.o7.tm	Method	TBLASTX:Maize
Start	6397	End	6748
GI	none	Score	302
Exons	6397..6747, 6398..6748		
Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62396	Strand	-
Start	9412	End	9461
Name	OJ990529_32.9919.C5.o1.gp	Method	AAT/GAP
Start	9412	End	9461
GI	77434_1.R1084	Score	85
Exons	9412..9461		
GI Descrip.	'2827528/emb|CAA16536.1| 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]'		
Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62397	Strand	
Start	24178	End	27494
Name	OJ990529_32.9919.C5.o6.tm	Method	TBLASTX:Maize
Start	24178	End	25741
GI	none	Score	125
Exons	24178..24474, 24181..24444, 24194..24481, 24194..24430, 24194..24376, 24197..24448, 24202..24432, 24242..24481, 24332..24481, 24476..24580, 24476..24721, 24488..24937, 24493..24654, 24560..25009, 24560..24808, 24565..24804, 24565..24729, 24605..25081, 24611..24883, 24637..24834, 24671..24859, 24683..24937, 24683..25081, 24722..25027, 24752..25165, 24827..24922, 24899..25162, 24913..25236,		

24913..25191, 24916..25305, 24940..25233, 25223..25666,
25223..25387, 25223..25381, 25226..25513, 25232..25426,
25259..25657, 25259..25516, 25265..25513, 25313..25504,
25331..25669, 25331..25603, 25403..25672, 25423..25512,
25538..25669, 25573..25668, 25598..25702, 25697..25741,
25709..25735, 25709..25735, 25714..25740

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62397	Strand	
Start	24178	End	27494
Name	OJ990529_32.9919.C5.o2.ts	Method	TBLASTX:Soybean
Start	24188	End	27461
GI	none	Score	80

Exons 24188..24286, 24188..24865, 24197..24481, 24335..24937,
24479..25114, 24559..24819, 24566..25159, 24602..25009,
24620..25162, 24634..24834, 24674..25081, 24746..25156,
24788..24907, 24890..25162, 24913..25161, 24919..25368,
24919..25224, 25004..25123, 25129..25296, 25223..25588,
25223..25663, 25223..25612, 25223..25669, 25223..25666,
25223..25339, 25244..25657, 25250..25732, 25274..25669,
25292..25396, 25322..25672, 25340..25657, 25388..25666,
25418..25672, 25508..25627, 25532..25669, 25570..25668,
25580..25738, 25709..25741, 25847..25933, 26134..26292,
26135..26308, 26321..26473, 26350..26442, 26462..26734,
26477..26650, 26671..26709, 27143..27289, 27144..27281,
27359..27442, 27360..27461

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62397	Strand	
Start	24178	End	27494
Name	OJ990529_32.9919.C5.o2.tc	Method	TBLASTX:Cress
Start	24194	End	27236
GI	none	Score	72

Exons 24194..24400, 24194..24286, 24194..24481, 24194..24430,
24200..24436, 24200..24481, 24203..24457, 24215..24457,
24227..25153, 24488..24949, 24493..24810, 24494..24793,
24563..25165, 24563..24937, 24602..25009, 24674..25081,
24692..25162, 24743..24916, 24746..25153, 24962..25162,
25034..25441, 25034..25156, 25048..25170, 25048..25224,
25213..25368, 25223..25387, 25223..25585, 25223..25657,
25223..25669, 25223..25657, 25229..25420, 25250..25657,
25274..25669, 25285..25368, 25285..25368, 25319..25555,
25337..25669, 25391..25666, 25394..25612, 25426..25512,
25547..25741, 25630..25662, 26144..26473, 26149..26265,
26327..26464, 26477..26734, 26497..26643, 26671..26709,
27143..27235, 27144..27236

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62397	Strand	
Start	24178	End	27494
Name	OJ990529_32.9919.C5.o6.tw	Method	TBLASTX:Wheat
Start	24347	End	25654
GI	none	Score	68

Exons 24347..24481, 24698..24862, 24781..24819, 24782..24934,
24800..25006, 24854..25006, 24944..25144, 24946..25143,
25070..25165, 25088..25162, 25223..25366, 25223..25372,
25304..25510, 25376..25582, 25454..25654

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62397	Strand	
Start	24178	End	27494
Name	OJ990529_32.9919.C5.o2.tm	Method	TBLASTX:Maize
Start	26143	End	27218
GI	none	Score	170
Exons	26143..26292, 26144..26293, 26327..26461, 26350..26442, 26462..26734, 26462..26710, 27144..27218		

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62397	Strand	
Start	24178	End	27494
Name	OJ990529_32.9919.C5.o5.tw	Method	TBLASTX:Wheat
Start	26333	End	26712
GI	none	Score	99
Exons	26333..26479, 26463..26651, 26477..26710, 26477..26641, 26479..26712, 26497..26649		

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62397	Strand	
Start	24178	End	27494
Name	OJ990529_32.9919.C5.o3.tc	Method	TBLASTX:Cress
Start	27236	End	27494
GI	none	Score	348
Exons	27236..27490, 27237..27494		

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62398	Strand	
Start	31701	End	33716
Name	OJ990529_32.9919.C5.o1.tc	Method	TBLASTX:Cress
Start	31701	End	33716
GI	none	Score	86
Exons	31701..31817, 31815..31862, 32545..33186, 32567..33346, 32669..32914, 32686..32859, 32906..33211, 33267..33344, 33298..33360, 33448..33525, 33448..33528, 33449..33529, 33449..33529, 33449..33529, 33630..33704, 33642..33716		

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62398	Strand	
Start	31701	End	33716
Name	OJ990529_32.9919.C5.o1.tm	Method	TBLASTX:Maize
Start	31701	End	33716
GI	none	Score	108
Exons	31701..31817, 31701..31832, 31815..31862, 32563..33186, 32567..33346, 32672..32917, 32686..32931, 32906..33211, 32950..33192, 33123..33293, 33448..33516, 33449..33529, 33636..33704, 33642..33716		

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62398	Strand	
Start	31701	End	33716
Name	OJ990529_32.9919.C5.o1.ts	Method	TBLASTX:Soybean
Start	31701	End	33716
GI	none	Score	102
Exons	31701..31817, 31815..31862, 32545..33183, 32567..33346, 32672..32914, 32686..32871, 32906..33211, 32950..33192,		

33250..33345, 33448..33516, 33642..33716

Seq. No.	30213	Seq. ID	OJ990529_32.9919.C5
Gene No.	62398	Strand	
Start	31701	End	33716
Name	OJ990529_32.9919.C5.o2.tw	Method	TBLASTX:Wheat
Start	32672	End	33529
GI	none	Score	138
Exons	32672..32917, 32672..32749, 32686..32889, 32915..33022, 32935..33186, 32939..33331, 32941..33021, 33253..33324, 33449..33529		

Seq. No.	30214	Seq. ID	OJ990519_20.9924.C1
Gene No.	62399	Strand	+
Start	491	End	1129
Name	OJ990519_20.9924.C1.o1.np	Method	AAT/NAP
Start	491	End	1129
GI	2498930	Score	732
Exons	491..550, 718..1129		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	30215	Seq. ID	OJ990519_20.9924.C4
Gene No.	62400	Strand	-
Start	262	End	446
Name	OJ990519_20.9924.C4.o1.tm	Method	TBLASTX:Maize
Start	29	End	413
GI	none	Score	183
Exons	29..208, 58..159, 67..237, 71..205, 357..413, 359..412		

Seq. No.	30215	Seq. ID	OJ990519_20.9924.C4
Gene No.	62400	Strand	-
Start	262	End	446
Name	OJ990519_20.9924.C4.o1.gs	Method	GENSCAN
Start	262	End	446
GI	none	Score	.85
Exons	262..446		

Seq. No.	30216	Seq. ID	OJ990519_20.9924.C6
Gene No.	62401	Strand	+
Start	196	End	400
Name	OJ990519_20.9924.C6.o1.gs	Method	GENSCAN
Start	196	End	400
GI	none	Score	.88
Exons	196..400		

Seq. No.	30217	Seq. ID	OJ990519_20.9924.C7
Gene No.	62402	Strand	+
Start	1	End	688
Name	OJ990519_20.9924.C7.o1.np	Method	AAT/NAP
Start	1	End	688
GI	6815052	Score	492
Exons	1..165, 247..321, 603..688		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	30217	Seq. ID	OJ990519_20.9924.C7
Gene No.	62402	Strand	+

Start	1	End	688
Name	OJ990519_20.9924.C7.o1.gs	Method	GENSCAN
Start	12	End	681
GI	none	Score	.83
Exons	12..165, 247..321, 603..681		

Seq. No.	30218	Seq. ID	OJ990519_20.9924.C11
Gene No.	62403	Strand	+
Start	202	End	498
Name	OJ990519_20.9924.C11.o1.gs	Method	GENSCAN
Start	202	End	498
GI	none	Score	.95
Exons	202..498		

Seq. No.	30219	Seq. ID	OJ990519_20.9924.C16
Gene No.	62404	Strand	-
Start	72	End	237
Name	OJ990519_20.9924.C16.o1.gs	Method	GENSCAN
Start	72	End	237
GI	none	Score	.53
Exons	72..237		

Seq. No.	30220	Seq. ID	OJ990519_20.9924.C18
Gene No.	62405	Strand	+
Start	6444	End	13041
Name	OJ990519_20.9924.C18.o1.np	Method	AAT/NAP
Start	6444	End	13041
GI	5091513	Score	1480
Exons	6444..6470, 9275..9900, 10654..11387, 11443..11765, 12218..12421, 12573..13041		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	30220	Seq. ID	OJ990519_20.9924.C18
Gene No.	62405	Strand	+
Start	6444	End	13041
Name	OJ990519_20.9924.C18.o1.gp	Method	AAT/GAP
Start	7565	End	7782
GI	8022_1.R1084	Score	288
Exons	7565..7782		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	30220	Seq. ID	OJ990519_20.9924.C18
Gene No.	62405	Strand	+
Start	6444	End	13041
Name	OJ990519_20.9924.C18.o2.gp	Method	AAT/GAP
Start	7781	End	8088
GI	72524_1.R1084	Score	428
Exons	7781..8088		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	30220	Seq. ID	OJ990519_20.9924.C18
Gene No.	62406	Strand	+
Start	14351	End	14600
Name	OJ990519_20.9924.C18.o3.gp	Method	AAT/GAP
Start	14351	End	14600

GI	3761181	Score	404
Exons	14351..14600		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	30220	Seq. ID	OJ990519_20.9924.C18
Gene No.	62407	Strand	+
Start	15875	End	24090
Name	OJ990519_20.9924.C18.o5.gs	Method	GENSCAN
Start	15875	End	24090
GI	none	Score	.54
Exons	15875..15900, 16226..16349, 19107..19339, 19525..19642, 20660..20864, 21895..22116, 24029..24090		

Seq. No.	30220	Seq. ID	OJ990519_20.9924.C18
Gene No.	62408	Strand	+
Start	25690	End	34040
Name	OJ990519_20.9924.C18.o4.gp	Method	AAT/GAP
Start	25596	End	26050
GI	55683_1.R1084	Score	872
Exons	25596..26050		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	30220	Seq. ID	OJ990519_20.9924.C18
Gene No.	62408	Strand	+
Start	25690	End	34040
Name	OJ990519_20.9924.C18.o6.gs	Method	GENSCAN
Start	25690	End	34040
GI	none	Score	.82
Exons	25690..26121, 26342..26442, 26537..26623, 26723..26873, 26990..27280, 29222..29361, 29440..29551, 29872..30016, 30377..30470, 33929..34040		

Seq. No.	30220	Seq. ID	OJ990519_20.9924.C18
Gene No.	62408	Strand	+
Start	25690	End	34040
Name	OJ990519_20.9924.C18.o3.np	Method	AAT/NAP
Start	26011	End	30516
GI	6728879	Score	409
Exons	26011..26121, 26342..26442, 26507..26623, 26723..26873, 27018..27280, 29222..29361, 29446..29631, 29723..29795, 29872..29986, 30127..30288, 30377..30516		
GI Descrip.	(AC008113) F12A21.7 [Arabidopsis thaliana]		

Seq. No.	30220	Seq. ID	OJ990519_20.9924.C18
Gene No.	62408	Strand	+
Start	25690	End	34040
Name	OJ990519_20.9924.C18.o5.gp	Method	AAT/GAP
Start	31847	End	32770
GI	85912_1.R1084	Score	764
Exons	31847..31902, 32400..32770		
GI Descrip.	'4324617/gb|AF106619|AF106619 4.0e-36 Cloning vector pDR1149 complete sequence'		

Seq. No.	30220	Seq. ID	OJ990519_20.9924.C18
Gene No.	62409	Strand	-

Start	1945	End	6333
Name	OJ990519_20.9924.C18.o2.gs	Method	GENSCAN
Start	1945	End	6333
GI	none	Score	.52
Exons	1945..2192, 2276..2476, 2711..3290, 3583..3731, 3736..3924, 4019..4276, 4640..4856, 5364..5401, 5448..5556, 5686..5751, 6331..6333		

Seq. No.	30220	Seq. ID	OJ990519_20.9924.C18
Gene No.	62410	Strand	-
Start	12533	End	12981
Name	OJ990519_20.9924.C18.o4.gs	Method	GENSCAN
Start	12533	End	12981
GI	none	Score	.8
Exons	12533..12650, 12902..12981		

Seq. No.	30220	Seq. ID	OJ990519_20.9924.C18
Gene No.	62411	Strand	-
Start	15031	End	16456
Name	OJ990519_20.9924.C18.o2.np	Method	AAT/NAP
Start	15031	End	16456
GI	5852084	Score	79
Exons	15031..15114, 16430..16456		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	30220	Seq. ID	OJ990519_20.9924.C18
Gene No.	62412	Strand	-
Start	34878	End	38150
Name	OJ990519_20.9924.C18.o2.tm	Method	TBLASTX:Maize
Start	20744	End	26836
GI	none	Score	67
Exons	20744..20830, 26061..26120, 26062..26211, 26339..26392, 26341..26394, 26369..26449, 26507..26623, 26535..26621, 26715..26834, 26720..26836		

Seq. No.	30220	Seq. ID	OJ990519_20.9924.C18
Gene No.	62412	Strand	-
Start	34878	End	38150
Name	OJ990519_20.9924.C18.o1.tm	Method	TBLASTX:Maize
Start	29438	End	29635
GI	none	Score	247
Exons	29438..29632, 29454..29630, 29455..29631, 29489..29635		

Seq. No.	30220	Seq. ID	OJ990519_20.9924.C18
Gene No.	62412	Strand	-
Start	34878	End	38150
Name	OJ990519_20.9924.C18.o7.gs	Method	GENSCAN
Start	34878	End	38150
GI	none	Score	.46
Exons	34878..34950, 36214..36341, 37138..37352, 37695..37819, 38050..38150		

Seq. No.	30221	Seq. ID	OJ990519_20.9924.C19
Gene No.	62413	Strand	+
Start	199	End	904
Name	OJ990519_20.9924.C19.o1.gs	Method	GENSCAN
Start	199	End	904

GI	none	Score	.5
Exons	199..250, 752..904		

Seq. No.	30221	Seq. ID	OJ990519_20.9924.C19
Gene No.	62414	Strand	-
Start	1	End	1201
Name	OJ990519_20.9924.C19.o1.np	Method	AAT/NAP
Start	1	End	1201
GI	3283026	Score	61
Exons	1..19, 980..1201		
GI Descrip.	(AF051562) putative transposase [Arabidopsis thaliana]		

Seq. No.	30221	Seq. ID	OJ990519_20.9924.C19
Gene No.	62414	Strand	-
Start	1	End	1201
Name	OJ990519_20.9924.C19.o1.tm	Method	TBLASTX:Maize
Start	831	End	1082
GI	none	Score	44
Exons	831..878, 834..890, 888..968, 889..969, 965..1081, 966..1082		

Seq. No.	30222	Seq. ID	OJ990519_20.9924.C20
Gene No.	62415	Strand	-
Start	1	End	886
Name	OJ990519_20.9924.C20.o1.np	Method	AAT/NAP
Start	1	End	873
GI	3283026	Score	271
Exons	1..24, 271..873		
GI Descrip.	(AF051562) putative transposase [Arabidopsis thaliana]		

Seq. No.	30222	Seq. ID	OJ990519_20.9924.C20
Gene No.	62415	Strand	-
Start	1	End	886
Name	OJ990519_20.9924.C20.o1.tc	Method	TBLASTX:Cress
Start	73	End	886
GI	none	Score	61
Exons	73..135, 237..266, 271..789, 794..886		

Seq. No.	30222	Seq. ID	OJ990519_20.9924.C20
Gene No.	62415	Strand	-
Start	1	End	886
Name	OJ990519_20.9924.C20.o1.gs	Method	GENSCAN
Start	256	End	804
GI	none	Score	.71
Exons	256..417, 496..804		

Seq. No.	30222	Seq. ID	OJ990519_20.9924.C20
Gene No.	62415	Strand	-
Start	1	End	886
Name	OJ990519_20.9924.C20.o1.tm	Method	TBLASTX:Maize
Start	451	End	792
GI	none	Score	39
Exons	451..564, 451..639, 539..637, 676..777, 714..785, 715..792		

Seq. No.	30223	Seq. ID	OJ990519_20.9924.C21
Gene No.	62416	Strand	+
Start	243	End	551
Name	OJ990519_20.9924.C21.o1.gs	Method	GENSCAN

Start	243	End	551
GI	none	Score	.78
Exons	243..305, 348..551		

Seq. No.	30223	Seq. ID	OJ990519_20.9924.C21
Gene No.	62417	Strand	+
Start	3178	End	7824
Name	OJ990519_20.9924.C21.o2.np	Method	AAT/NAP
Start	3178	End	7824
GI	6069646	Score	361
Exons	3178..3263, 6302..6371, 6838..7824		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	30223	Seq. ID	OJ990519_20.9924.C21
Gene No.	62418	Strand	-
Start	2402	End	7499
Name	OJ990519_20.9924.C21.o2.gs	Method	GENSCAN
Start	2402	End	7499
GI	none	Score	.48
Exons	2402..2508, 4862..4946, 6548..6761, 7372..7499		

Seq. No.	30223	Seq. ID	OJ990519_20.9924.C21
Gene No.	62418	Strand	-
Start	2402	End	7499
Name	OJ990519_20.9924.C21.o1.np	Method	AAT/NAP
Start	4299	End	4513
GI	4538624	Score	71
Exons	4299..4513		
GI Descrip.	(AJ133502) hypothetical protein [Nicotiana tabacum]		

Seq. No.	30223	Seq. ID	OJ990519_20.9924.C21
Gene No.	62419	Strand	-
Start	9439	End	10096
Name	OJ990519_20.9924.C21.o3.gs	Method	GENSCAN
Start	9439	End	10096
GI	none	Score	.9
Exons	9439..9576, 9745..9887, 10006..10096		

Seq. No.	30223	Seq. ID	OJ990519_20.9924.C21
Gene No.	62420	Strand	-
Start	10961	End	14317
Name	OJ990519_20.9924.C21.o2.tm	Method	TBLASTX:Maize
Start	6581	End	6963
GI	none	Score	152
Exons	6581..6739, 6586..6738, 6817..6963		

Seq. No.	30223	Seq. ID	OJ990519_20.9924.C21
Gene No.	62420	Strand	-
Start	10961	End	14317
Name	OJ990519_20.9924.C21.o1.tm	Method	TBLASTX:Maize
Start	7313	End	10329
GI	none	Score	92
Exons	7313..7369, 7318..7368, 7365..7721, 7373..7690, 7746..7787,		

9955..10011, 9964..10011, 9967..10161, 10010..10204,
10025..10174, 10258..10329

Seq. No.	30223	Seq. ID	OJ990519_20.9924.C21
Gene No.	62420	Strand	-
Start	10961	End	14317
Name	OJ990519_20.9924.C21.o1.tw	Method	TBLASTX:Wheat
Start	7368	End	10305
GI	none	Score	201
Exons	7368..7538, 7647..7694, 9976..10011, 10007..10165, 10261..10305		

Seq. No.	30223	Seq. ID	OJ990519_20.9924.C21
Gene No.	62420	Strand	-
Start	10961	End	14317
Name	OJ990519_20.9924.C21.o4.gs	Method	GENSCAN
Start	10961	End	14317
GI	none	Score	.81
Exons	10961..11116, 11223..11449, 11591..11718, 12615..12820, 14276..14317		

Seq. No.	30224	Seq. ID	OJ990519_20.9924.C22
Gene No.	62421	Strand	+
Start	11803	End	19175
Name	OJ990519_20.9924.C22.o4.gs	Method	GENSCAN
Start	11803	End	19175
GI	none	Score	.73
Exons	11803..11983, 12003..12129, 12322..12460, 12638..12820, 13448..13492, 14062..14409, 15029..15205, 15585..15653, 15757..15846, 17067..17291, 17452..17607, 17624..17662, 18788..19175		

Seq. No.	30224	Seq. ID	OJ990519_20.9924.C22
Gene No.	62421	Strand	+
Start	11803	End	19175
Name	OJ990519_20.9924.C22.o1.gp	Method	AAT/GAP
Start	13167	End	14294
GI	32381_1.R1084	Score	806
Exons	13167..13329, 13448..13492, 14062..14294		
GI Descrip.	'2894378/emb|CAA74910.1| 6.0e-38 (Y14573) putative ribophorin I homologue [Hordeum vulgare]'		

Seq. No.	30224	Seq. ID	OJ990519_20.9924.C22
Gene No.	62421	Strand	+
Start	11803	End	19175
Name	OJ990519_20.9924.C22.o2.np	Method	AAT/NAP
Start	13222	End	16216
GI	2894378	Score	1913
Exons	13222..13329, 13448..13492, 14062..14690, 14785..14932, 15029..15205, 15585..15653, 15763..15846, 16058..16216		
GI Descrip.	(Y14573) putative ribophorin I homologue [Hordeum vulgare]		

Seq. No.	30224	Seq. ID	OJ990519_20.9924.C22
Gene No.	62421	Strand	+
Start	11803	End	19175
Name	OJ990519_20.9924.C22.o2.gp	Method	AAT/GAP
Start	14313	End	14698
GI	2312454	Score	706

Exons	14313..14698		
GI Descrip.	2894378/emb|CAA74910.1| 2.0e-51 (Y14573) putative ribophorin I homologue [Hordeum vulgare]		
Seq. No.	30224	Seq. ID	OJ990519_20.9924.C22
Gene No.	62421	Strand	+
Start	11803	End	19175
Name	OJ990519_20.9924.C22.o3.gp	Method	AAT/GAP
Start	16186	End	17899
GI	35940_1.R1084	Score	1329
Exons	16186..16216, 17067..17291, 17452..17899		
GI Descrip.	'5918187/emb|CAB56225.1| 3.0e-58 (AJ133278) ribophorin I [Hordeum vulgare]'		
Seq. No.	30224	Seq. ID	OJ990519_20.9924.C22
Gene No.	62422	Strand	-
Start	40	End	800
Name	OJ990519_20.9924.C22.o1.gs	Method	GENSCAN
Start	40	End	800
GI	none	Score	.67
Exons	40..159, 463..550, 568..696, 734..800		
Seq. No.	30224	Seq. ID	OJ990519_20.9924.C22
Gene No.	62423	Strand	-
Start	7380	End	11699
Name	OJ990519_20.9924.C22.o3.gs	Method	GENSCAN
Start	7380	End	11699
GI	none	Score	.47
Exons	7380..7501, 7783..7857, 7939..8676, 8725..8860, 9293..9516, 10892..10986, 10991..11108, 11390..11464, 11546..11699		
Seq. No.	30224	Seq. ID	OJ990519_20.9924.C22
Gene No.	62423	Strand	-
Start	7380	End	11699
Name	OJ990519_20.9924.C22.o1.np	Method	AAT/NAP
Start	7383	End	11699
GI	6815052	Score	2584
Exons	7383..7501, 7783..7857, 7939..8676, 8725..8860, 9643..9735, 10594..10693, 10991..11108, 11390..11464, 11546..11699		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	30224	Seq. ID	OJ990519_20.9924.C22
Gene No.	62423	Strand	-
Start	7380	End	11699
Name	OJ990519_20.9924.C22.o1.tw	Method	TBLASTX:Wheat
Start	8915	End	9409
GI	none	Score	58
Exons	8915..9409, 9015..9137, 9119..9385		
Seq. No.	30224	Seq. ID	OJ990519_20.9924.C22
Gene No.	62424	Strand	
Start	13297	End	16219
Name	OJ990519_20.9924.C22.o1.tm	Method	TBLASTX:Maize
Start	13297	End	16209
GI	none	Score	45
Exons	13297..13332, 13429..13533, 13445..13531, 14047..14439, 14061..14441, 14064..14441, 14065..14442, 14439..14690,		

14440..14691, 14446..14691, 14447..14695, 14774..14941,
14778..14924, 14779..14943, 15023..15217, 15034..15219,
15573..15656, 15573..15638, 15584..15655, 15754..15849,
15756..15848, 15763..15849, 16049..16135, 16051..16140,
16055..16141, 16057..16143, 16153..16209, 16154..16207

Seq. No.	30224	Seq. ID	OJ990519_20.9924.C22
Gene No.	62424	Strand	
Start	13297	End	16219
Name	OJ990519_20.9924.C22.o2.tc	Method	TBLASTX:Cress
Start	14062	End	14460
GI	none	Score	75
Exons	14062..14202, 14164..14460, 14241..14459		

Seq. No.	30224	Seq. ID	OJ990519_20.9924.C22
Gene No.	62424	Strand	
Start	13297	End	16219
Name	OJ990519_20.9924.C22.o2.ts	Method	TBLASTX:Soybean
Start	14218	End	14472
GI	none	Score	267
Exons	14218..14472, 14230..14460, 14241..14471		

Seq. No.	30224	Seq. ID	OJ990519_20.9924.C22
Gene No.	62424	Strand	
Start	13297	End	16219
Name	OJ990519_20.9924.C22.o1.tc	Method	TBLASTX:Cress
Start	14461	End	15115
GI	none	Score	52
Exons	14461..14523, 14469..14522, 14554..14691, 14572..14691,		
	14774..14944, 14800..14943, 15026..15115, 15034..15105		

Seq. No.	30224	Seq. ID	OJ990519_20.9924.C22
Gene No.	62424	Strand	
Start	13297	End	16219
Name	OJ990519_20.9924.C22.o1.ts	Method	TBLASTX:Soybean
Start	14474	End	16219
GI	none	Score	67
Exons	14474..14560, 14475..14561, 14475..14693, 14476..14691,		
	14545..14694, 14601..14720, 14774..14941, 14811..14924,		
	14812..14943, 15026..15217, 15026..15205, 15034..15219,		
	15573..15653, 15584..15652, 15754..15849, 15759..15848,		
	16047..16217, 16049..16219, 16056..16217, 16057..16218		

Seq. No.	30224	Seq. ID	OJ990519_20.9924.C22
Gene No.	62425	Strand	
Start	17066	End	17821
Name	OJ990519_20.9924.C22.o2.tm	Method	TBLASTX:Maize
Start	17066	End	17821
GI	none	Score	99
Exons	17066..17293, 17104..17229, 17106..17294, 17443..17667,		
	17451..17663, 17783..17821		

Seq. No.	30224	Seq. ID	OJ990519_20.9924.C22
Gene No.	62425	Strand	
Start	17066	End	17821
Name	OJ990519_20.9924.C22.o3.tc	Method	TBLASTX:Cress
Start	17449	End	17643

GI	none	Score	217
Exons	17449..17643, 17451..17639		

Seq. No.	30225	Seq. ID	OJ990519_20.9924.C23
Gene No.	62426	Strand	+
Start	2874	End	4319
Name	OJ990519_20.9924.C23.o1.gs	Method	GENSCAN
Start	2874	End	4262
GI	none	Score	.98
Exons	2874..2989, 3087..3254, 4054..4262		

Seq. No.	30225	Seq. ID	OJ990519_20.9924.C23
Gene No.	62426	Strand	+
Start	2874	End	4319
Name	OJ990519_20.9924.C23.o1.gp	Method	AAT/GAP
Start	3099	End	4319
GI	LIB3433-034-P1-K1-D10	Score	701
Exons	3099..3254, 4054..4319		
GI Descrip.	'4959460/gb|AF126053.1|AF126053 1.0e-10 Zea mays RACB small GTP binding protein mRNA, complete cds'		

Seq. No.	30225	Seq. ID	OJ990519_20.9924.C23
Gene No.	62427	Strand	+
Start	16536	End	17017
Name	OJ990519_20.9924.C23.o3.gs	Method	GENSCAN
Start	16536	End	17017
GI	none	Score	.83
Exons	16536..16615, 16924..17017		

Seq. No.	30225	Seq. ID	OJ990519_20.9924.C23
Gene No.	62428	Strand	+
Start	17760	End	18043
Name	OJ990519_20.9924.C23.o3.gp	Method	AAT/GAP
Start	17760	End	18043
GI	none	Score	375
Exons	17760..17943, 18001..18043		

Seq. No.	30225	Seq. ID	OJ990519_20.9924.C23
Gene No.	62429	Strand	-
Start	6818	End	15422
Name	OJ990519_20.9924.C23.o2.tm	Method	TBLASTX:Maize
Start	2872	End	4301
GI	none	Score	93
Exons	2872..2991, 2873..2995, 2874..3008, 2877..2990, 2881..3003, 3085..3198, 3086..3184, 3088..3249, 4048..4293, 4053..4298, 4059..4301		

Seq. No.	30225	Seq. ID	OJ990519_20.9924.C23
Gene No.	62429	Strand	-
Start	6818	End	15422
Name	OJ990519_20.9924.C23.o2.tc	Method	TBLASTX:Cress
Start	2873	End	3184
GI	none	Score	182
Exons	2873..3001, 2880..3017, 2881..3003, 3104..3184		

Seq. No.	30225	Seq. ID	OJ990519_20.9924.C23
Gene No.	62429	Strand	-

Start	6818	End	15422
Name	OJ990519_20.9924.C23.o3.ts	Method	TBLASTX:Soybean
Start	2878	End	3189
GI	none	Score	178
Exons	2878..2991, 2880..3008, 2881..3006, 3109..3189, 3110..3187		

Seq. No.	30225	Seq. ID	OJ990519_20.9924.C23
Gene No.	62429	Strand	-
Start	6818	End	15422
Name	OJ990519_20.9924.C23.o1.tw	Method	TBLASTX:Wheat
Start	3133	End	4238
GI	none	Score	73
Exons	3133..3198, 3134..3187, 3136..3246, 4048..4230, 4053..4232, 4059..4238		

Seq. No.	30225	Seq. ID	OJ990519_20.9924.C23
Gene No.	62429	Strand	-
Start	6818	End	15422
Name	OJ990519_20.9924.C23.o2.gp	Method	AAT/GAP
Start	6513	End	10981
GI	10672_1.R1084	Score	2455
Exons	6513..6934, 7019..7084, 7179..7295, 7792..7863, 7949..8228, 8498..8700, 9200..9267, 10885..10981		
GI Descrip.	'82264/pir||S20015 1.0e-132 ubiquinol--cytochrome-c reductase (EC 1.10.2.2) cytochrome c1 precursor (clone pC(1)8I) - potato (fragment) >gi_498789_emb_CAA56109_ (X79597) cytochrome c1 [Solanum tuberosum]'		

Seq. No.	30225	Seq. ID	OJ990519_20.9924.C23
Gene No.	62429	Strand	-
Start	6818	End	15422
Name	OJ990519_20.9924.C23.o1.tm	Method	TBLASTX:Maize
Start	6665	End	9266
GI	none	Score	197
Exons	6665..6706, 6723..6935, 6724..6738, 6727..6936, 6779..6934, 7016..7087, 7020..7085, 7027..7131, 7173..7298, 7176..7295, 7180..7299, 7789..7881, 7792..7866, 7942..8067, 7944..8228, 7947..8213, 7949..8230, 8466..8576, 8492..8695, 8497..8700, 8498..8734, 9200..9259, 9204..9263, 9213..9266		

Seq. No.	30225	Seq. ID	OJ990519_20.9924.C23
Gene No.	62429	Strand	-
Start	6818	End	15422
Name	OJ990519_20.9924.C23.o2.ts	Method	TBLASTX:Soybean
Start	6788	End	7202
GI	none	Score	93
Exons	6788..6934, 6788..6934, 6822..6935, 7016..7087, 7020..7085, 7020..7091, 7176..7202		

Seq. No.	30225	Seq. ID	OJ990519_20.9924.C23
Gene No.	62429	Strand	-
Start	6818	End	15422
Name	OJ990519_20.9924.C23.o1.tc	Method	TBLASTX:Cress
Start	6818	End	8616
GI	none	Score	109
Exons	6818..6934, 6822..6935, 6849..6941, 7016..7087, 7020..7088, 7021..7089, 7023..7091, 7176..7295, 7178..7297, 7183..7296,		

7736..7864, 7784..7855, 7786..7881, 7947..8222, 7949..8230, 7953..8228, 8466..8576, 8497..8616, 8497..8598

Seq. No.	30225	Seq. ID	OJ990519_20.9924.C23
Gene No.	62429	Strand	-
Start	6818	End	15422
Name	OJ990519_20.9924.C23.o2.gs	Method	GENSCAN
Start	6818	End	15422
GI	none	Score	.54
Exons	6818..6934, 7019..7084, 7179..7295, 7792..7863, 7949..8228, 8498..8700, 9200..9286, 10012..10191, 10787..10845, 10947..11149, 11238..11546, 11598..11937, 12104..12318, 12447..12499, 13010..13163, 13481..13643, 14359..14443, 14577..14713, 14786..14951, 15408..15422		

Seq. No.	30225	Seq. ID	OJ990519_20.9924.C23
Gene No.	62429	Strand	-
Start	6818	End	15422
Name	OJ990519_20.9924.C23.o1.np	Method	AAT/NAP
Start	6821	End	8660
GI	82263	Score	1103
Exons	6821..6934, 7019..7084, 7179..7295, 7792..7863, 7949..8228, 8498..8660		
GI Descrip.	ubiquinol--cytochrome-c reductase (EC 1.10.2.2) cytochrome c1 precursor (clone pC(1)3II) - potato		

Seq. No.	30225	Seq. ID	OJ990519_20.9924.C23
Gene No.	62429	Strand	-
Start	6818	End	15422
Name	OJ990519_20.9924.C23.o1.ts	Method	TBLASTX:Soybean
Start	7233	End	8644
GI	none	Score	67
Exons	7233..7289, 7234..7296, 7789..7881, 7796..7855, 7949..8230, 7953..8228, 8467..8622, 8497..8598, 8498..8644		

Seq. No.	30225	Seq. ID	OJ990519_20.9924.C23
Gene No.	62429	Strand	-
Start	6818	End	15422
Name	OJ990519_20.9924.C23.o2.tw	Method	TBLASTX:Wheat
Start	11747	End	12149
GI	none	Score	94
Exons	11747..11842, 11839..11910, 11916..12017, 12033..12149		

Seq. No.	30225	Seq. ID	OJ990519_20.9924.C23
Gene No.	62429	Strand	-
Start	6818	End	15422
Name	OJ990519_20.9924.C23.o3.np	Method	AAT/NAP
Start	11896	End	14525
GI	2244963	Score	60
Exons	11896..11918, 14386..14525		
GI Descrip.	(Z97340) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30226	Seq. ID	OJ990519_20.9924.C24
Gene No.	62430	Strand	+
Start	322	End	527
Name	OJ990519_20.9924.C24.o1.gs	Method	GENSCAN
Start	322	End	527

GI	none	Score	.54
Exons	322..414, 453..527		

Seq. No.	30226	Seq. ID	OJ990519_20.9924.C24
Gene No.	62431	Strand	+
Start	5073	End	7068
Name	OJ990519_20.9924.C24.o2.np	Method	AAT/NAP
Start	5070	End	7068
GI	1666236	Score	234
Exons	5070..5574, 7050..7068		
GI Descrip.	(U76261) unknown [Hordeum vulgare]		

Seq. No.	30226	Seq. ID	OJ990519_20.9924.C24
Gene No.	62431	Strand	+
Start	5073	End	7068
Name	OJ990519_20.9924.C24.o3.gs	Method	GENSCAN
Start	5073	End	5558
GI	none	Score	.59
Exons	5073..5558		

Seq. No.	30226	Seq. ID	OJ990519_20.9924.C24
Gene No.	62431	Strand	+
Start	5073	End	7068
Name	OJ990519_20.9924.C24.o1.gp	Method	AAT/GAP
Start	6414	End	6520
GI	uC-osf1cyp088b12b1	Score	144
Exons	6414..6520		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	30226	Seq. ID	OJ990519_20.9924.C24
Gene No.	62432	Strand	+
Start	7120	End	8251
Name	OJ990519_20.9924.C24.o3.np	Method	AAT/NAP
Start	7120	End	8251
GI	544344	Score	77
Exons	7120..7569, 8226..8251		
GI Descrip.	FORMIN 4 (LIMB DEFORMITY PROTEIN) gi|109843|pir||S24407 formin isoform IV - mouse gi|51553|emb|CAA44244| (X62379) formin, isoform IV [Mus musculus]		

Seq. No.	30226	Seq. ID	OJ990519_20.9924.C24
Gene No.	62433	Strand	-
Start	6952	End	7773
Name	OJ990519_20.9924.C24.o1.tw	Method	TBLASTX:Wheat
Start	5238	End	5572
GI	none	Score	105
Exons	5238..5354, 5370..5444, 5453..5572		

Seq. No.	30226	Seq. ID	OJ990519_20.9924.C24
Gene No.	62433	Strand	-
Start	6952	End	7773
Name	OJ990519_20.9924.C24.o4.gs	Method	GENSCAN
Start	6952	End	7773
GI	none	Score	.44
Exons	6952..6968, 7578..7773		

Seq. No.	30227	Seq. ID	OJ990519_20.9924.C25
Gene No.	62434	Strand	+
Start	5400	End	10371
Name	OJ990519_20.9924.C25.o3.gs	Method	GENSCAN
Start	5400	End	9438
GI	none	Score	.41
Exons	5400..5657, 5716..6387, 7195..7261, 7517..8033, 8084..8346, 8498..8743, 8852..9064, 9422..9438		

Seq. No.	30227	Seq. ID	OJ990519_20.9924.C25
Gene No.	62434	Strand	+
Start	5400	End	10371
Name	OJ990519_20.9924.C25.o1.np	Method	AAT/NAP
Start	8127	End	10371
GI	2213632	Score	606
Exons	8127..8888, 10284..10371		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	30227	Seq. ID	OJ990519_20.9924.C25
Gene No.	62435	Strand	+
Start	25577	End	25913
Name	OJ990519_20.9924.C25.o5.gs	Method	GENSCAN
Start	25577	End	25913
GI	none	Score	.59
Exons	25577..25630, 25719..25796, 25902..25913		

Seq. No.	30227	Seq. ID	OJ990519_20.9924.C25
Gene No.	62436	Strand	-
Start	1583	End	4731
Name	OJ990519_20.9924.C25.o2.gs	Method	GENSCAN
Start	1583	End	4731
GI	none	Score	.7
Exons	1583..1671, 1780..1938, 2103..2296, 2646..2993, 3066..3247, 3593..3687, 4046..4071, 4547..4731		

Seq. No.	30227	Seq. ID	OJ990519_20.9924.C25
Gene No.	62437	Strand	-
Start	10783	End	16075
Name	OJ990519_20.9924.C25.o4.gs	Method	GENSCAN
Start	10783	End	16075
GI	none	Score	.91
Exons	10783..11010, 11109..11306, 11403..11506, 11599..12463, 12589..12957, 13284..13445, 13750..13968, 14050..14568, 14654..14731, 15953..16075		

Seq. No.	30227	Seq. ID	OJ990519_20.9924.C25
Gene No.	62437	Strand	-
Start	10783	End	16075
Name	OJ990519_20.9924.C25.o2.np	Method	AAT/NAP
Start	10957	End	15213
GI	5262163	Score	1581
Exons	10957..11044, 11109..11306, 11403..11522, 11879..12463, 12589..12957, 13284..13445, 13750..13964, 14046..14593, 15107..15213		
GI Descrip.	(AL080253) putative protein [Arabidopsis thaliana]		

Seq. No.	30227	Seq. ID	OJ990519_20.9924.C25

Gene No.	62437	Strand	-
Start	10783	End	16075
Name	OJ990519_20.9924.C25.o1.gp	Method	AAT/GAP
Start	10970	End	11692
GI	LIB3434-041-P1-K1-C11	Score	781
Exons	10970..11010, 11109..11306, 11403..11506, 11599..11692		
GI Descrip.	'4926825/gb|AAD32935.1|AC004135_10 2.0e-35 (AC004135) T17H7.10 [Arabidopsis thaliana]'		

Seq. No.	30227	Seq. ID	OJ990519_20.9924.C25
Gene No.	62438	Strand	-
Start	23482	End	29095
Name	OJ990519_20.9924.C25.o4.tm	Method	TBLASTX:Maize
Start	5844	End	6129
GI	none	Score	45
Exons	5844..5879, 5850..5879, 5868..5891, 5931..6044, 5936..6040, 6034..6129, 6043..6129		

Seq. No.	30227	Seq. ID	OJ990519_20.9924.C25
Gene No.	62438	Strand	-
Start	23482	End	29095
Name	OJ990519_20.9924.C25.o2.tm	Method	TBLASTX:Maize
Start	7933	End	8574
GI	none	Score	97
Exons	7933..8049, 7985..8035, 8046..8351, 8066..8374, 8423..8485, 8426..8485, 8482..8574		

Seq. No.	30227	Seq. ID	OJ990519_20.9924.C25
Gene No.	62438	Strand	-
Start	23482	End	29095
Name	OJ990519_20.9924.C25.o1.tw	Method	TBLASTX:Wheat
Start	8241	End	8649
GI	none	Score	185
Exons	8241..8405, 8252..8404, 8412..8486, 8429..8485, 8478..8648, 8482..8649		

Seq. No.	30227	Seq. ID	OJ990519_20.9924.C25
Gene No.	62438	Strand	-
Start	23482	End	29095
Name	OJ990519_20.9924.C25.o6.tm	Method	TBLASTX:Maize
Start	8578	End	8850
GI	none	Score	170
Exons	8578..8745, 8581..8742, 8743..8805, 8812..8850, 8812..8847		

Seq. No.	30227	Seq. ID	OJ990519_20.9924.C25
Gene No.	62438	Strand	-
Start	23482	End	29095
Name	OJ990519_20.9924.C25.o5.tm	Method	TBLASTX:Maize
Start	11124	End	11519
GI	none	Score	91
Exons	11124..11306, 11131..11307, 11400..11519, 11413..11511		

Seq. No.	30227	Seq. ID	OJ990519_20.9924.C25
Gene No.	62438	Strand	-
Start	23482	End	29095
Name	OJ990519_20.9924.C25.o1.tm	Method	TBLASTX:Maize
Start	12293	End	12883

GI	none	Score	99
Exons	12293..12367, 12294..12368, 12294..12368, 12355..12465, 12369..12464, 12371..12469, 12578..12883, 12589..12882		

Seq. No.	30227	Seq. ID	OJ990519_20.9924.C25
Gene No.	62438	Strand	-
Start	23482	End	29095
Name	OJ990519_20.9924.C25.o1.ts	Method	TBLASTX:Soybean
Start	12589	End	12839
GI	none	Score	44
Exons	12589..12639, 12590..12637, 12712..12837, 12713..12838, 12720..12839		

Seq. No.	30227	Seq. ID	OJ990519_20.9924.C25
Gene No.	62438	Strand	-
Start	23482	End	29095
Name	OJ990519_20.9924.C25.o2.tw	Method	TBLASTX:Wheat
Start	12698	End	12972
GI	none	Score	119
Exons	12698..12895, 12703..12972, 12760..12909		

Seq. No.	30227	Seq. ID	OJ990519_20.9924.C25
Gene No.	62438	Strand	-
Start	23482	End	29095
Name	OJ990519_20.9924.C25.o3.tm	Method	TBLASTX:Maize
Start	12886	End	14116
GI	none	Score	108
Exons	12886..12957, 13278..13448, 13284..13445, 13298..13462, 13324..13470, 13751..13885, 13753..13875, 13929..13982, 13937..13969, 14050..14115, 14051..14116		

Seq. No.	30227	Seq. ID	OJ990519_20.9924.C25
Gene No.	62438	Strand	-
Start	23482	End	29095
Name	OJ990519_20.9924.C25.o3.np	Method	AAT/NAP
Start	23482	End	28553
GI	5139348	Score	257
Exons	23482..23507, 25509..25556, 25623..25762, 25848..25892, 26107..26242, 26792..26864, 27001..27103, 28506..28553		
GI Descrip.	(AJ007046) [acyl-carrier protein] S-malonyltransferase [Brassica napus]		

Seq. No.	30227	Seq. ID	OJ990519_20.9924.C25
Gene No.	62438	Strand	-
Start	23482	End	29095
Name	OJ990519_20.9924.C25.o4.np	Method	AAT/NAP
Start	26619	End	29095
GI	6721512	Score	61
Exons	26619..26652, 27918..28046, 29031..29095		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	30227	Seq. ID	OJ990519_20.9924.C25
Gene No.	62438	Strand	-
Start	23482	End	29095
Name	OJ990519_20.9924.C25.o6.gs	Method	GENSCAN
Start	27023	End	27983
GI	none	Score	.73

Exons	27023..27091, 27499..27518, 27541..27619, 27792..27983		
Seq. No.	30228	Seq. ID	OJ990429_28.9924.C1
Gene No.	62439	Strand	-
Start	1	End	635
Name	OJ990429_28.9924.C1.o1.np	Method	AAT/NAP
Start	1	End	635
GI	2498930	Score	1072
Exons	1..635		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	30228	Seq. ID	OJ990429_28.9924.C1
Gene No.	62439	Strand	-
Start	1	End	635
Name	OJ990429_28.9924.C1.o1.gs	Method	GENSCAN
Start	35	End	574
GI	none	Score	.93
Exons	35..574		
Seq. No.	30229	Seq. ID	OJ990429_28.9924.C2
Gene No.	62440	Strand	-
Start	1	End	175
Name	OJ990429_28.9924.C2.o1.np	Method	AAT/NAP
Start	1	End	175
GI	2498930	Score	38
Exons	1..30, 108..175		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	30229	Seq. ID	OJ990429_28.9924.C2
Gene No.	62441	Strand	-
Start	112	End	171
Name	OJ990429_28.9924.C2.o1.gs	Method	GENSCAN
Start	112	End	171
GI	none	Score	.94
Exons	112..171		
Seq. No.	30230	Seq. ID	OJ990429_28.9924.C3
Gene No.	62442	Strand	-
Start	24	End	194
Name	OJ990429_28.9924.C3.o1.gs	Method	GENSCAN
Start	24	End	194
GI	none	Score	.66
Exons	24..194		
Seq. No.	30231	Seq. ID	OJ990429_28.9924.C4
Gene No.	62443	Strand	+
Start	1	End	8811
Name	OJ990429_28.9924.C4.o2.np	Method	AAT/NAP
Start	1	End	6930
GI	5852180	Score	372
Exons	1..80, 4586..4654, 5395..5526, 6558..6930		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	30231	Seq. ID	OJ990429_28.9924.C4
Gene No.	62443	Strand	+

Start	1	End	8811
Name	OJ990429_28.9924.C4.o1.gs	Method	GENSCAN
Start	190	End	8811
GI	none	Score	.53
Exons	190..862, 938..1217, 1406..1553, 1638..1795, 2106..2316, 2567..2673, 2699..3295, 3308..3554, 3939..4475, 4572..4984, 5054..5307, 5374..5478, 6523..6674, 6679..7219, 8054..8170, 8513..8811		

Seq. No.	30231	Seq. ID	OJ990429_28.9924.C4
Gene No.	62443	Strand	+
Start	1	End	8811
Name	OJ990429_28.9924.C4.o1.np	Method	AAT/NAP
Start	259	End	4829
GI	6815097	Score	3640
Exons	259..1134, 1506..2106, 2221..3918, 4058..4829		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	30231	Seq. ID	OJ990429_28.9924.C4
Gene No.	62443	Strand	+
Start	1	End	8811
Name	OJ990429_28.9924.C4.o1.gp	Method	AAT/GAP
Start	4865	End	5167
GI	61605_3.R1084	Score	452
Exons	4865..5167		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	30231	Seq. ID	OJ990429_28.9924.C4
Gene No.	62444	Strand	+
Start	9677	End	10083
Name	OJ990429_28.9924.C4.o4.np	Method	AAT/NAP
Start	9677	End	10083
GI	6539570	Score	207
Exons	9677..9870, 10017..10083		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	30231	Seq. ID	OJ990429_28.9924.C4
Gene No.	62445	Strand	-
Start	8587	End	8762
Name	OJ990429_28.9924.C4.o1.tc	Method	TBLASTX:Cress
Start	352	End	612
GI	none	Score	224
Exons	352..612, 367..576		

Seq. No.	30231	Seq. ID	OJ990429_28.9924.C4
Gene No.	62445	Strand	-
Start	8587	End	8762
Name	OJ990429_28.9924.C4.o1.tw	Method	TBLASTX:Wheat
Start	3542	End	4349
GI	none	Score	163
Exons	3542..3784, 3543..3782, 3816..3902, 4269..4349		

Seq. No.	30231	Seq. ID	OJ990429_28.9924.C4
Gene No.	62445	Strand	-
Start	8587	End	8762

Name	OJ990429_28.9924.C4.o1.ts	Method	TBLASTX:Soybean
Start	3543	End	3893
GI	5509260	Score	165
Exons	3543..3785, 3545..3640, 3677..3781, 3816..3893		
GI Descrip.	-		

Seq. No.	30231	Seq. ID	OJ990429_28.9924.C4
Gene No.	62445	Strand	-
Start	8587	End	8762
Name	OJ990429_28.9924.C4.o1.tm	Method	TBLASTX:Maize
Start	4308	End	4661
GI	none	Score	43
Exons	4308..4346, 4335..4661, 4349..4660		

Seq. No.	30231	Seq. ID	OJ990429_28.9924.C4
Gene No.	62445	Strand	-
Start	8587	End	8762
Name	OJ990429_28.9924.C4.o3.np	Method	AAT/NAP
Start	8587	End	8762
GI	2880044	Score	128
Exons	8587..8762		
GI Descrip.	(AC002340) putative tropinone reductase [Arabidopsis thaliana]		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62446	Strand	+
Start	8003	End	11180
Name	OJ990429_28.9924.C5.o2.gs	Method	GENSCAN
Start	8003	End	11177
GI	none	Score	.46
Exons	8003..8162, 8367..8542, 8721..8781, 9092..9519, 9939..10071, 11026..11177		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62446	Strand	+
Start	8003	End	11180
Name	OJ990429_28.9924.C5.o1.np	Method	AAT/NAP
Start	9987	End	11180
GI	4585884	Score	529
Exons	9987..11180		
GI Descrip.	(AC005850) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62447	Strand	+
Start	25590	End	28836
Name	OJ990429_28.9924.C5.o6.gs	Method	GENSCAN
Start	25590	End	28836
GI	none	Score	.69
Exons	25590..26053, 26104..26624, 26924..28836		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62447	Strand	+
Start	25590	End	28836
Name	OJ990429_28.9924.C5.o7.np	Method	AAT/NAP
Start	25590	End	28807
GI	6907089	Score	4158
Exons	25590..26820, 26934..28807		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62448	Strand	+
Start	32185	End	32720
Name	OJ990429_28.9924.C5.o8.gs	Method	GENSCAN
Start	32185	End	32720
GI	none	Score	.84
Exons	32185..32457, 32709..32720		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62449	Strand	-
Start	311	End	7177
Name	OJ990429_28.9924.C5.o1.gs	Method	GENSCAN
Start	311	End	7177
GI	none	Score	.5
Exons	311..402, 700..821, 920..1060, 2216..2378, 2458..2556, 2651..2723, 2828..2917, 3014..3187, 3297..3982, 3984..4129, 4255..4396, 4471..5892, 6821..6937, 7124..7177		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62449	Strand	-
Start	311	End	7177
Name	OJ990429_28.9924.C5.o1.gp	Method	AAT/GAP
Start	1754	End	1900
GI	21474_1.R1084	Score	252
Exons	1754..1900		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62450	Strand	-
Start	11536	End	17139
Name	OJ990429_28.9924.C5.o2.gp	Method	AAT/GAP
Start	11536	End	15349
GI	342_1.R1084	Score	6234
Exons	11536..15349		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62450	Strand	-
Start	11536	End	17139
Name	OJ990429_28.9924.C5.o3.gs	Method	GENSCAN
Start	12020	End	17139
GI	none	Score	.45
Exons	12020..14712, 14894..15353, 15829..15870, 17086..17139		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62450	Strand	-
Start	11536	End	17139
Name	OJ990429_28.9924.C5.o2.np	Method	AAT/NAP
Start	12041	End	15353
GI	4680203	Score	3293
Exons	12041..13018, 13295..13525, 13679..15353		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5

Gene No.	62451	Strand	-
Start	17082	End	20530
Name	OJ990429_28.9924.C5.o3.np	Method	AAT/NAP
Start	17082	End	20530
GI	1717752	Score	393
Exons	17082..17186, 19190..19412, 19695..19902, 20430..20530		
GI Descrip.	TROPINONE REDUCTASE-I (TR-I) (TROPINE DEHYDROGENASE) gi|539026|pir||A48674 tropinone reductase (EC 1.1.1.236) I - jimsonweed gi|4140003|pdb|1AE1|A Chain A, Tropinone Reductase-I Complex With Nadp gi|4140004|pdb|1AE1|B Chain B, Tropinone Reductase-I Complex With Nadp gi|424160 (L20473) tropinone reductase-I [Datura stramonium]		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62451	Strand	-
Start	17082	End	20530
Name	OJ990429_28.9924.C5.o4.gs	Method	GENSCAN
Start	18708	End	20518
GI	none	Score	.9
Exons	18708..18721, 19190..19412, 19695..19902, 20430..20518		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62452	Strand	-
Start	20941	End	22740
Name	OJ990429_28.9924.C5.o4.np	Method	AAT/NAP
Start	20941	End	21737
GI	6539571	Score	89
Exons	20941..21022, 21472..21737		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62452	Strand	-
Start	20941	End	22740
Name	OJ990429_28.9924.C5.o5.np	Method	AAT/NAP
Start	20941	End	22740
GI	6539571	Score	107
Exons	20941..21022, 21472..21609, 22681..22740		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62453	Strand	-
Start	23014	End	25253
Name	OJ990429_28.9924.C5.o5.gs	Method	GENSCAN
Start	23014	End	24601
GI	none	Score	.62
Exons	23014..23207, 23744..23825, 24029..24199, 24527..24601		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62453	Strand	-
Start	23014	End	25253
Name	OJ990429_28.9924.C5.o6.np	Method	AAT/NAP
Start	24146	End	25253
GI	5042454	Score	75
Exons	24146..24213, 24527..24646, 25163..25253		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5

Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o10.tw	Method	TBLASTX:Wheat
Start	2848	End	3370
GI	none	Score	68
Exons	2848..2919, 3019..3201, 3026..3151, 3290..3370		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o7.tw	Method	TBLASTX:Wheat
Start	4861	End	5264
GI	none	Score	84
Exons	4861..5031, 4994..5161, 5026..5262, 5113..5262, 5124..5264, 5154..5264		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o5.tm	Method	TBLASTX:Maize
Start	10239	End	10478
GI	none	Score	174
Exons	10239..10421, 10250..10384, 10401..10478		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o9.tw	Method	TBLASTX:Wheat
Start	10362	End	10727
GI	none	Score	225
Exons	10362..10727, 10481..10726		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o2.ts	Method	TBLASTX:Soybean
Start	10473	End	10865
GI	none	Score	270
Exons	10473..10814, 10481..10540, 10622..10798, 10800..10865		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o1.tm	Method	TBLASTX:Maize
Start	10481	End	10933
GI	none	Score	195
Exons	10481..10540, 10482..10694, 10607..10684, 10713..10928, 10736..10933		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o1.tw	Method	TBLASTX:Wheat
Start	12095	End	13412
GI	none	Score	131
Exons	12095..12187, 12176..12256, 12269..12409, 12270..12410, 12357..12452, 12389..12448, 12455..12499, 12460..12495,		

12494..13411, 12510..13412

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o1.tc	Method	TBLASTX:Cress
Start	12677	End	13128
GI	none	Score	190
Exons	12677..13114, 12677..13120, 12681..13124, 12687..13124, 12946..13128		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o2.tm	Method	TBLASTX:Maize
Start	13055	End	13369
GI	none	Score	68
Exons	13055..13285, 13055..13369, 13083..13358		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o4.tw	Method	TBLASTX:Wheat
Start	13413	End	13823
GI	none	Score	62
Exons	13413..13478, 13415..13498, 13532..13750, 13572..13754, 13760..13822, 13773..13823		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o4.ts	Method	TBLASTX:Soybean
Start	13856	End	14098
GI	none	Score	212
Exons	13856..14098		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o3.tw	Method	TBLASTX:Wheat
Start	13962	End	14431
GI	none	Score	151
Exons	13962..14168, 13967..14170, 13967..14170, 14172..14264, 14178..14261, 14228..14269, 14273..14377, 14277..14366, 14284..14373, 14378..14431, 14379..14423		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o3.tm	Method	TBLASTX:Maize
Start	14219	End	14560
GI	none	Score	117
Exons	14219..14431, 14234..14455, 14241..14432, 14471..14560		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893

Name	OJ990429_28.9924.C5.o2.tc	Method	TBLASTX:Cress
Start	14237	End	14567
GI	none	Score	88
Exons	14237..14560, 14238..14375, 14415..14567		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o1.ts	Method	TBLASTX:Soybean
Start	14300	End	14729
GI	none	Score	116
Exons	14300..14596, 14313..14564, 14591..14653, 14646..14729, 14654..14728		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o5.tw	Method	TBLASTX:Wheat
Start	14660	End	15002
GI	none	Score	91
Exons	14660..14764, 14661..14759, 14729..14902, 14757..14912, 14773..14904, 14895..15002		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o3.tc	Method	TBLASTX:Cress
Start	17083	End	20506
GI	none	Score	68
Exons	17083..17184, 17084..17188, 19236..19412, 19237..19410, 19692..19898, 19696..19899, 20429..20506		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o3.ts	Method	TBLASTX:Soybean
Start	17089	End	20519
GI	none	Score	70
Exons	17089..17184, 17090..17176, 19236..19412, 19237..19413, 19692..19898, 19693..19899, 20424..20519, 20429..20518		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o4.tm	Method	TBLASTX:Maize
Start	19215	End	20486
GI	none	Score	92
Exons	19215..19412, 19288..19413, 19692..19898, 19693..19899, 19765..19902, 20429..20485, 20430..20486		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o7.gs	Method	GENSCAN
Start	29377	End	30999
GI	none	Score	.58
Exons	29377..29613, 29833..30013, 30935..30999		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o8.np	Method	AAT/NAP
Start	29380	End	35110
GI	6498441	Score	2932
Exons	29380..29661, 29755..30350, 30643..31502, 31990..33021, 33197..33715, 34046..35110		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o8.tw	Method	TBLASTX:Wheat
Start	29389	End	30000
GI	none	Score	77
Exons	29389..29514, 29393..29515, 29702..29851, 29707..29997, 29928..29987, 29977..30000		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o5.gp	Method	AAT/GAP
Start	30722	End	31103
GI	uC-osf1cyp033a04b1	Score	687
Exons	30722..31103		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o9.gs	Method	GENSCAN
Start	33189	End	35893
GI	none	Score	.91
Exons	33189..35633, 35687..35893		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o2.tw	Method	TBLASTX:Wheat
Start	33345	End	33831
GI	none	Score	143
Exons	33345..33830, 33376..33636, 33658..33831		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o6.tw	Method	TBLASTX:Wheat
Start	34569	End	34958
GI	none	Score	106
Exons	34569..34826, 34603..34842, 34809..34907, 34810..34890, 34914..34958		

Seq. No.	30232	Seq. ID	OJ990429_28.9924.C5
Gene No.	62454	Strand	-
Start	29377	End	35893
Name	OJ990429_28.9924.C5.o6.tm	Method	TBLASTX:Maize
Start	34671	End	34919
GI	none	Score	104
Exons	34671..34919, 34672..34917		

Seq. No.	30233	Seq. ID	OJ990429_28.9924.C6
Gene No.	62455	Strand	+
Start	5056	End	6626
Name	OJ990429_28.9924.C6.o2.gs	Method	GENSCAN
Start	5056	End	6626
GI	none	Score	.82
Exons	5056..5069, 6013..6280, 6348..6626		

Seq. No.	30233	Seq. ID	OJ990429_28.9924.C6
Gene No.	62456	Strand	-
Start	402	End	8685
Name	OJ990429_28.9924.C6.o1.gs	Method	GENSCAN
Start	402	End	4292
GI	none	Score	.4
Exons	402..2075, 2194..2300, 2326..2504, 2552..4247, 4268..4292		

Seq. No.	30233	Seq. ID	OJ990429_28.9924.C6
Gene No.	62456	Strand	-
Start	402	End	8685
Name	OJ990429_28.9924.C6.o1.np	Method	AAT/NAP
Start	405	End	8386
GI	4680179	Score	5328
Exons	405..3807, 3841..4125, 7589..8386		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	30233	Seq. ID	OJ990429_28.9924.C6
Gene No.	62456	Strand	-
Start	402	End	8685
Name	OJ990429_28.9924.C6.o6.tw	Method	TBLASTX:Wheat
Start	450	End	783
GI	none	Score	157
Exons	450..782, 514..783		

Seq. No.	30233	Seq. ID	OJ990429_28.9924.C6
Gene No.	62456	Strand	-
Start	402	End	8685
Name	OJ990429_28.9924.C6.o1.tm	Method	TBLASTX:Maize
Start	630	End	1229
GI	none	Score	217
Exons	630..1070, 646..1068, 1068..1229, 1087..1221		

Seq. No.	30233	Seq. ID	OJ990429_28.9924.C6
Gene No.	62456	Strand	-
Start	402	End	8685
Name	OJ990429_28.9924.C6.o1.tw	Method	TBLASTX:Wheat
Start	783	End	1409
GI	none	Score	168
Exons	783..1409, 786..1316, 895..1353		

Seq. No.	30233	Seq. ID	OJ990429_28.9924.C6
Gene No.	62456	Strand	-
Start	402	End	8685
Name	OJ990429_28.9924.C6.o4.tm	Method	TBLASTX:Maize
Start	1278	End	1570
GI	none	Score	215
Exons	1278..1568, 1282..1569, 1409..1570		

Seq. No.	30233	Seq. ID	OJ990429_28.9924.C6
Gene No.	62456	Strand	-
Start	402	End	8685
Name	OJ990429_28.9924.C6.o2.ts	Method	TBLASTX:Soybean
Start	1368	End	1628
GI	none	Score	140
Exons	1368..1628, 1369..1623		

Seq. No.	30233	Seq. ID	OJ990429_28.9924.C6
Gene No.	62456	Strand	-
Start	402	End	8685
Name	OJ990429_28.9924.C6.o1.tc	Method	TBLASTX:Cress
Start	1392	End	1709
GI	none	Score	85
Exons	1392..1535, 1393..1533, 1536..1709		

Seq. No.	30233	Seq. ID	OJ990429_28.9924.C6
Gene No.	62456	Strand	-
Start	402	End	8685
Name	OJ990429_28.9924.C6.o2.tw	Method	TBLASTX:Wheat
Start	1416	End	8685
GI	none	Score	335
Exons	1416..1952, 1417..1983, 8623..8685		

Seq. No.	30233	Seq. ID	OJ990429_28.9924.C6
Gene No.	62456	Strand	-
Start	402	End	8685
Name	OJ990429_28.9924.C6.o2.tm	Method	TBLASTX:Maize
Start	1983	End	2338
GI	none	Score	93
Exons	1983..2177, 1989..2171, 2176..2337, 2188..2337, 2201..2338		

Seq. No.	30233	Seq. ID	OJ990429_28.9924.C6
Gene No.	62456	Strand	-
Start	402	End	8685
Name	OJ990429_28.9924.C6.o3.tw	Method	TBLASTX:Wheat
Start	1986	End	2409
GI	none	Score	131
Exons	1986..2177, 1990..2178, 2175..2321, 2176..2361, 2176..2409, 2198..2377		

Seq. No.	30233	Seq. ID	OJ990429_28.9924.C6
Gene No.	62456	Strand	-
Start	402	End	8685
Name	OJ990429_28.9924.C6.o3.tm	Method	TBLASTX:Maize
Start	2374	End	2874
GI	none	Score	50
Exons	2374..2688, 2417..2467, 2495..2548, 2695..2874, 2747..2866		

Seq. No.	30233	Seq. ID	OJ990429_28.9924.C6
Gene No.	62456	Strand	-
Start	402	End	8685
Name	OJ990429_28.9924.C6.o5.tw	Method	TBLASTX:Wheat
Start	2410	End	2712
GI	none	Score	267
Exons	2410..2712, 2426..2710		

Seq. No.	30233	Seq. ID	OJ990429_28.9924.C6
Gene No.	62456	Strand	-
Start	402	End	8685
Name	OJ990429_28.9924.C6.o1.ts	Method	TBLASTX:Soybean
Start	2425	End	2820
GI	none	Score	184
Exons	2425..2784, 2426..2716, 2747..2782, 2788..2820, 2789..2818		

Seq. No.	30233	Seq. ID	OJ990429_28.9924.C6
Gene No.	62456	Strand	-
Start	402	End	8685
Name	OJ990429_28.9924.C6.o4.tw	Method	TBLASTX:Wheat
Start	2761	End	3247
GI	none	Score	256
Exons	2761..3138, 2804..3247, 3193..3246		

Seq. No.	30233	Seq. ID	OJ990429_28.9924.C6
Gene No.	62456	Strand	-
Start	402	End	8685
Name	OJ990429_28.9924.C6.o5.tm	Method	TBLASTX:Maize
Start	2942	End	3232
GI	none	Score	185
Exons	2942..3232, 2944..3231		

Seq. No.	30233	Seq. ID	OJ990429_28.9924.C6
Gene No.	62456	Strand	-
Start	402	End	8685
Name	OJ990429_28.9924.C6.o8.tw	Method	TBLASTX:Wheat
Start	3343	End	3780
GI	none	Score	73
Exons	3343..3384, 3412..3525, 3413..3526, 3571..3780, 3572..3724		

Seq. No.	30233	Seq. ID	OJ990429_28.9924.C6
Gene No.	62456	Strand	-
Start	402	End	8685
Name	OJ990429_28.9924.C6.o7.tm	Method	TBLASTX:Maize
Start	3463	End	3816
GI	none	Score	190
Exons	3463..3816		

Seq. No.	30233	Seq. ID	OJ990429_28.9924.C6
Gene No.	62456	Strand	-
Start	402	End	8685
Name	OJ990429_28.9924.C6.o6.tm	Method	TBLASTX:Maize
Start	7604	End	7909
GI	none	Score	87
Exons	7604..7909, 7779..7895		

Seq. No.	30233	Seq. ID	OJ990429_28.9924.C6

Gene No.	62456	Strand	-
Start	402	End	8685
Name	OJ990429_28.9924.C6.o7.tw	Method	TBLASTX:Wheat
Start	7790	End	8152
GI	none	Score	152
Exons	7790..8152, 7791..8150		

Seq. No.	30234	Seq. ID	OJ990429_28.9924.C7
Gene No.	62457	Strand	+
Start	316	End	1129
Name	OJ990429_28.9924.C7.o1.gs	Method	GENSCAN
Start	316	End	1129
GI	none	Score	.89
Exons	316..428, 670..812, 905..1000, 1046..1129		

Seq. No.	30234	Seq. ID	OJ990429_28.9924.C7
Gene No.	62458	Strand	+
Start	14808	End	15701
Name	OJ990429_28.9924.C7.o5.np	Method	AAT/NAP
Start	14808	End	15701
GI	5902448	Score	1084
Exons	14808..15701		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	30234	Seq. ID	OJ990429_28.9924.C7
Gene No.	62459	Strand	-
Start	904	End	1318
Name	OJ990429_28.9924.C7.o1.np	Method	AAT/NAP
Start	904	End	1318
GI	6721560	Score	294
Exons	904..1318		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815085|dbj|BAA90371.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	30234	Seq. ID	OJ990429_28.9924.C7
Gene No.	62460	Strand	-
Start	2011	End	2775
Name	OJ990429_28.9924.C7.o2.np	Method	AAT/NAP
Start	2011	End	2775
GI	4680183	Score	188
Exons	2011..2100, 2708..2775		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	30234	Seq. ID	OJ990429_28.9924.C7
Gene No.	62461	Strand	-
Start	2863	End	17678
Name	OJ990429_28.9924.C7.o2.gs	Method	GENSCAN
Start	2863	End	10144
GI	none	Score	.48
Exons	2863..2976, 5167..5652, 5769..5810, 5860..6149, 6950..7704, 9457..9839, 9860..10144		

Seq. No.	30234	Seq. ID	OJ990429_28.9924.C7
Gene No.	62461	Strand	-
Start	2863	End	17678
Name	OJ990429_28.9924.C7.o3.np	Method	AAT/NAP

Start	3614	End	7703
GI	4234852	Score	3584
Exons	3614..6964, 7007..7703		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	30234	Seq. ID	OJ990429_28.9924.C7
Gene No.	62461	Strand	-
Start	2863	End	17678
Name	OJ990429_28.9924.C7.o1.tm	Method	TBLASTX:Maize
Start	3668	End	4240
GI	none	Score	75
Exons	3668..3850, 3896..4240, 3909..4235		

Seq. No.	30234	Seq. ID	OJ990429_28.9924.C7
Gene No.	62461	Strand	-
Start	2863	End	17678
Name	OJ990429_28.9924.C7.o3.tw	Method	TBLASTX:Wheat
Start	3668	End	4132
GI	none	Score	39
Exons	3668..4132, 3675..3779, 3896..4132		

Seq. No.	30234	Seq. ID	OJ990429_28.9924.C7
Gene No.	62461	Strand	-
Start	2863	End	17678
Name	OJ990429_28.9924.C7.o2.ts	Method	TBLASTX:Soybean
Start	3668	End	4241
GI	none	Score	60
Exons	3668..3844, 3860..4240, 3941..4177, 4158..4241		

Seq. No.	30234	Seq. ID	OJ990429_28.9924.C7
Gene No.	62461	Strand	-
Start	2863	End	17678
Name	OJ990429_28.9924.C7.o2.tw	Method	TBLASTX:Wheat
Start	4226	End	4984
GI	none	Score	39
Exons	4226..4456, 4426..4653, 4474..4653, 4639..4983, 4688..4828, 4889..4984		

Seq. No.	30234	Seq. ID	OJ990429_28.9924.C7
Gene No.	62461	Strand	-
Start	2863	End	17678
Name	OJ990429_28.9924.C7.o2.tm	Method	TBLASTX:Maize
Start	4591	End	4984
GI	none	Score	112
Exons	4591..4983, 4676..4828, 4880..4984		

Seq. No.	30234	Seq. ID	OJ990429_28.9924.C7
Gene No.	62461	Strand	-
Start	2863	End	17678
Name	OJ990429_28.9924.C7.o1.ts	Method	TBLASTX:Soybean
Start	4654	End	5112
GI	5509260	Score	165
Exons	4654..5112, 4676..4984		
GI Descrip.	-		

Seq. No.	30234	Seq. ID	OJ990429_28.9924.C7
Gene No.	62461	Strand	-

Start	2863	End	17678
Name	OJ990429_28.9924.C7.o1.tc	Method	TBLASTX:Cress
Start	4765	End	5025
GI	none	Score	245
Exons	4765..5025		

Seq. No.	30234	Seq. ID	OJ990429_28.9924.C7
Gene No.	62461	Strand	-
Start	2863	End	17678
Name	OJ990429_28.9924.C7.o3.ts	Method	TBLASTX:Soybean
Start	5581	End	5967
GI	none	Score	120
Exons	5581..5754, 5758..5907, 5758..5967, 5783..5911		

Seq. No.	30234	Seq. ID	OJ990429_28.9924.C7
Gene No.	62461	Strand	-
Start	2863	End	17678
Name	OJ990429_28.9924.C7.o1.tw	Method	TBLASTX:Wheat
Start	5584	End	6246
GI	none	Score	59
Exons	5584..5682, 5659..5967, 5855..5944, 6007..6246, 6008..6061, 6051..6185		

Seq. No.	30234	Seq. ID	OJ990429_28.9924.C7
Gene No.	62461	Strand	-
Start	2863	End	17678
Name	OJ990429_28.9924.C7.o3.tm	Method	TBLASTX:Maize
Start	5773	End	6234
GI	none	Score	93
Exons	5773..5961, 5846..5959, 6007..6234		

Seq. No.	30234	Seq. ID	OJ990429_28.9924.C7
Gene No.	62461	Strand	-
Start	2863	End	17678
Name	OJ990429_28.9924.C7.o4.ts	Method	TBLASTX:Soybean
Start	6028	End	6416
GI	none	Score	49
Exons	6028..6252, 6125..6253, 6285..6416, 6309..6416		

Seq. No.	30234	Seq. ID	OJ990429_28.9924.C7
Gene No.	62461	Strand	-
Start	2863	End	17678
Name	OJ990429_28.9924.C7.o4.np	Method	AAT/NAP
Start	8358	End	14402
GI	6063554	Score	175
Exons	8358..8529, 9643..9887, 10000..10258, 14359..14402		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30234	Seq. ID	OJ990429_28.9924.C7
Gene No.	62461	Strand	-
Start	2863	End	17678
Name	OJ990429_28.9924.C7.o3.gs	Method	GENSCAN
Start	11236	End	17625
GI	none	Score	.4
Exons	11236..11598, 12214..12469, 13764..13878, 15577..15618,		

15877..16089, 16412..17197, 17294..17429, 17457..17625

Seq. No.	30234	Seq. ID	OJ990429_28.9924.C7
Gene No.	62461	Strand	-
Start	2863	End	17678
Name	OJ990429_28.9924.C7.o6.np	Method	AAT/NAP
Start	15971	End	17678
GI	6815052	Score	1384
Exons	15971..16089, 16352..16426, 16508..17245, 17294..17429, 17589..17678		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	30235	Seq. ID	OJ990429_28.9924.C8
Gene No.	62462	Strand	+
Start	129	End	2873
Name	OJ990429_28.9924.C8.o1.gs	Method	GENSCAN
Start	129	End	2873
GI	none	Score	.57
Exons	129..225, 325..660, 1009..1135, 2276..2873		

Seq. No.	30235	Seq. ID	OJ990429_28.9924.C8
Gene No.	62463	Strand	-
Start	1	End	2337
Name	OJ990429_28.9924.C8.o1.np	Method	AAT/NAP
Start	1	End	2337
GI	6815052	Score	80
Exons	1..83, 2314..2337		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	30236	Seq. ID	OJ990429_28.9924.C9
Gene No.	62464	Strand	-
Start	1681	End	1969
Name	OJ990429_28.9924.C9.o1.gp	Method	AAT/GAP
Start	1681	End	1969
GI	426253	Score	534
Exons	1681..1969		

Seq. No.	30236	Seq. ID	OJ990429_28.9924.C9
Gene No.	62465	Strand	-
Start	2734	End	5616
Name	OJ990429_28.9924.C9.o3.tw	Method	TBLASTX:Wheat
Start	57	End	4098
GI	none	Score	53
Exons	57..185, 3553..3759, 3754..4098		

Seq. No.	30236	Seq. ID	OJ990429_28.9924.C9
Gene No.	62465	Strand	-
Start	2734	End	5616
Name	OJ990429_28.9924.C9.o5.tw	Method	TBLASTX:Wheat
Start	2239	End	2593
GI	none	Score	94
Exons	2239..2268, 2240..2368, 2272..2367, 2380..2442, 2415..2441, 2425..2523, 2441..2548, 2454..2546, 2549..2593, 2561..2593		

Seq. No.	30236	Seq. ID	OJ990429_28.9924.C9
Gene No.	62465	Strand	-
Start	2734	End	5616

Name	OJ990429_28.9924.C9.o1.np	Method	AAT/NAP
Start	2734	End	5616
GI	6630696	Score	4969
Exons	2734..5616		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	30236	Seq. ID	OJ990429_28.9924.C9
Gene No.	62465	Strand	-
Start	2734	End	5616
Name	OJ990429_28.9924.C9.o2.tw	Method	TBLASTX:Wheat
Start	2870	End	3345
GI	none	Score	401
Exons	2870..3256, 2872..3255, 3245..3340, 3271..3345, 3272..3340, 3285..3344		

Seq. No.	30236	Seq. ID	OJ990429_28.9924.C9
Gene No.	62465	Strand	-
Start	2734	End	5616
Name	OJ990429_28.9924.C9.o3.ts	Method	TBLASTX:Soybean
Start	2998	End	3339
GI	none	Score	96
Exons	2998..3207, 3077..3202, 3226..3339, 3236..3304		

Seq. No.	30236	Seq. ID	OJ990429_28.9924.C9
Gene No.	62465	Strand	-
Start	2734	End	5616
Name	OJ990429_28.9924.C9.o1.tm	Method	TBLASTX:Maize
Start	3201	End	3573
GI	none	Score	80
Exons	3201..3449, 3202..3573, 3203..3550		

Seq. No.	30236	Seq. ID	OJ990429_28.9924.C9
Gene No.	62465	Strand	-
Start	2734	End	5616
Name	OJ990429_28.9924.C9.o2.ts	Method	TBLASTX:Soybean
Start	3349	End	3700
GI	none	Score	68
Exons	3349..3531, 3352..3540, 3353..3541, 3536..3700, 3541..3699		

Seq. No.	30236	Seq. ID	OJ990429_28.9924.C9
Gene No.	62465	Strand	-
Start	2734	End	5616
Name	OJ990429_28.9924.C9.o2.tm	Method	TBLASTX:Maize
Start	3634	End	4098
GI	none	Score	61
Exons	3634..4098, 3737..3847, 3883..3963, 4026..4085		

Seq. No.	30236	Seq. ID	OJ990429_28.9924.C9
Gene No.	62465	Strand	-
Start	2734	End	5616
Name	OJ990429_28.9924.C9.o1.ts	Method	TBLASTX:Soybean
Start	3769	End	4233
GI	5509260	Score	39
Exons	3769..4233, 3917..3946, 3977..4138		
GI Descrip.	-		

Seq. No.	30236	Seq. ID	OJ990429_28.9924.C9
Gene No.	62465	Strand	-
Start	2734	End	5616
Name	OJ990429_28.9924.C9.o1.tc	Method	TBLASTX:Cress
Start	3880	End	4146
GI	none	Score	104
Exons	3880..4140, 3968..4138, 4024..4146		

Seq. No.	30236	Seq. ID	OJ990429_28.9924.C9
Gene No.	62465	Strand	-
Start	2734	End	5616
Name	OJ990429_28.9924.C9.o1.tw	Method	TBLASTX:Wheat
Start	4153	End	4900
GI	none	Score	118
Exons	4153..4335, 4153..4473, 4157..4342, 4469..4633, 4470..4634, 4470..4634, 4471..4635, 4609..4893, 4628..4900, 4643..4900		

Seq. No.	30236	Seq. ID	OJ990429_28.9924.C9
Gene No.	62465	Strand	-
Start	2734	End	5616
Name	OJ990429_28.9924.C9.o4.ts	Method	TBLASTX:Soybean
Start	4557	End	4956
GI	none	Score	111
Exons	4557..4631, 4735..4956, 4739..4954		

Seq. No.	30236	Seq. ID	OJ990429_28.9924.C9
Gene No.	62465	Strand	-
Start	2734	End	5616
Name	OJ990429_28.9924.C9.o4.tm	Method	TBLASTX:Maize
Start	4744	End	5208
GI	none	Score	82
Exons	4744..5208, 4751..4969		

Seq. No.	30236	Seq. ID	OJ990429_28.9924.C9
Gene No.	62465	Strand	-
Start	2734	End	5616
Name	OJ990429_28.9924.C9.o4.tw	Method	TBLASTX:Wheat
Start	4901	End	5101
GI	none	Score	231
Exons	4901..5101, 4901..5098, 4903..5100		

Seq. No.	30236	Seq. ID	OJ990429_28.9924.C9
Gene No.	62465	Strand	-
Start	2734	End	5616
Name	OJ990429_28.9924.C9.o5.ts	Method	TBLASTX:Soybean
Start	4966	End	5346
GI	none	Score	88
Exons	4966..5214, 5197..5346		

Seq. No.	30236	Seq. ID	OJ990429_28.9924.C9
Gene No.	62465	Strand	-
Start	2734	End	5616
Name	OJ990429_28.9924.C9.o3.tm	Method	TBLASTX:Maize
Start	5320	End	5616
GI	none	Score	311
Exons	5320..5361, 5390..5614, 5391..5615, 5392..5616		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62466	Strand	+
Start	18993	End	21901
Name	OJ990429_28.9924.C10.o3.np	Method	AAT/NAP
Start	18993	End	21889
GI	6691716	Score	2522
Exons	18993..19887, 20079..20253, 20330..20427, 20506..20681, 20759..20946, 21021..21116, 21267..21387, 21450..21889		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62466	Strand	+
Start	18993	End	21901
Name	OJ990429_28.9924.C10.o5.gs	Method	GENSCAN
Start	18993	End	21901
GI	none	Score	.81
Exons	18993..19050, 19576..19877, 19964..20253, 20330..20681, 20800..20946, 21021..21210, 21283..21387, 21450..21901		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62467	Strand	-
Start	1	End	818
Name	OJ990429_28.9924.C10.o1.np	Method	AAT/NAP
Start	1	End	818
GI	6630696	Score	1405
Exons	1..818		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62467	Strand	-
Start	1	End	818
Name	OJ990429_28.9924.C10.o1.gp	Method	AAT/GAP
Start	13	End	776
GI	101595_1.R1084	Score	1347
Exons	13..776		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62468	Strand	-
Start	1395	End	1683
Name	OJ990429_28.9924.C10.o2.gp	Method	AAT/GAP
Start	1395	End	1683
GI	426253	Score	510
Exons	1395..1683		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62469	Strand	-
Start	5693	End	9218
Name	OJ990429_28.9924.C10.o2.np	Method	AAT/NAP
Start	5315	End	9218
GI	6539553	Score	6457

Exons	5315..9218		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62469	Strand	-
Start	5693	End	9218
Name	OJ990429_28.9924.C10.o2.gs	Method	GENSCAN
Start	5693	End	7246
GI	none	Score	.81
Exons	5693..7246		
Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62470	Strand	-
Start	15896	End	17532
Name	OJ990429_28.9924.C10.o4.gs	Method	GENSCAN
Start	15896	End	17532
GI	none	Score	.96
Exons	15896..16524, 16557..17532		
Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o5.tm	Method	TBLASTX:Maize
Start	468	End	9089
GI	none	Score	124
Exons	468..776, 471..662, 547..729, 8776..9081, 8778..9089		
Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o9.tw	Method	TBLASTX:Wheat
Start	527	End	9224
GI	none	Score	142
Exons	527..709, 528..812, 547..738, 786..926, 789..923, 8838..9224, 8839..9213		
Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o1.tw	Method	TBLASTX:Wheat
Start	5486	End	5926
GI	none	Score	265
Exons	5486..5836, 5489..5836, 5547..5837, 5852..5926, 5854..5925		
Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o6.ts	Method	TBLASTX:Soybean
Start	5579	End	5920
GI	none	Score	87
Exons	5579..5788, 5600..5788, 5807..5920		
Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-

Start	22220	End	27075
Name	OJ990429_28.9924.C10.o9.tm	Method	TBLASTX:Maize
Start	5783	End	6121
GI	none	Score	167
Exons	5783..6016, 5798..6121, 5806..6096, 5910..6101		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o3.ts	Method	TBLASTX:Soybean
Start	5933	End	6278
GI	none	Score	110
Exons	5933..6277, 6078..6278		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o4.tw	Method	TBLASTX:Wheat
Start	6131	End	6676
GI	none	Score	45
Exons	6131..6337, 6161..6310, 6332..6676, 6356..6529		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o6.tm	Method	TBLASTX:Maize
Start	6212	End	6676
GI	none	Score	88
Exons	6212..6676, 6359..6541		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o1.ts	Method	TBLASTX:Soybean
Start	6347	End	6811
GI	5509260	Score	363
Exons	6347..6811		
GI Descrip.	-		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o1.tc	Method	TBLASTX:Cress
Start	6458	End	6718
GI	none	Score	278
Exons	6458..6718		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o2.tw	Method	TBLASTX:Wheat
Start	6731	End	7485
GI	none	Score	192
Exons	6731..6979, 6731..6940, 6748..6978, 6999..7244, 7030..7245, 7037..7273, 7228..7485, 7355..7477		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10

Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o5.ts	Method	TBLASTX:Soybean
Start	7161	End	7533
GI	none	Score	41
Exons	7161..7220, 7237..7308, 7262..7300, 7309..7533, 7324..7518, 7355..7525		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o7.tm	Method	TBLASTX:Maize
Start	7321	End	22891
GI	none	Score	83
Exons	7321..7755, 7346..7546, 22760..22891		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o10.tw	Method	TBLASTX:Wheat
Start	7486	End	7677
GI	none	Score	179
Exons	7486..7677, 7486..7677		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o8.ts	Method	TBLASTX:Soybean
Start	7543	End	7917
GI	none	Score	66
Exons	7543..7791, 7774..7917		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o3.tm	Method	TBLASTX:Maize
Start	7966	End	8277
GI	none	Score	351
Exons	7966..8250, 7980..8270, 7987..8277, 7989..8261		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o13.tw	Method	TBLASTX:Wheat
Start	19113	End	19400
GI	none	Score	204
Exons	19113..19400, 19253..19351		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o6.gs	Method	GENSCAN
Start	22220	End	27075
GI	none	Score	.47
Exons	22220..23184, 23251..23602, 23669..24220, 24335..25301, 25376..25589, 25760..26254, 26357..26685, 26810..27075		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o4.np	Method	AAT/NAP
Start	22223	End	25318
GI	5902445	Score	5003
Exons	22223..25318		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o7.tw	Method	TBLASTX:Wheat
Start	22250	End	22846
GI	none	Score	80
Exons	22250..22363, 22355..22846, 22587..22691, 22737..22826		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o8.tm	Method	TBLASTX:Maize
Start	22271	End	22519
GI	none	Score	102
Exons	22271..22372, 22272..22373, 22352..22519, 22353..22463		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o6.tw	Method	TBLASTX:Wheat
Start	22959	End	23348
GI	none	Score	50
Exons	22959..23006, 22961..23146, 22961..23347, 23037..23348		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o1.tm	Method	TBLASTX:Maize
Start	22991	End	23353
GI	none	Score	237
Exons	22991..23038, 23030..23353, 23043..23333		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o5.np	Method	AAT/NAP
Start	23163	End	27075
GI	5902444	Score	2209
Exons	23163..23355, 23613..23726, 25337..27075		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o8.tw	Method	TBLASTX:Wheat
Start	23666	End	26338
GI	none	Score	251
Exons	23666..24088, 23742..24083, 26180..26338		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o4.ts	Method	TBLASTX:Soybean
Start	23709	End	24097
GI	none	Score	113
Exons	23709..23957, 23711..23953, 23993..24097, 23994..24089		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o10.tm	Method	TBLASTX:Maize
Start	23762	End	24035
GI	none	Score	98
Exons	23762..23860, 23864..24034, 23865..24035		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o12.tw	Method	TBLASTX:Wheat
Start	24089	End	24373
GI	none	Score	42
Exons	24089..24184, 24092..24373, 24266..24364		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o4.tm	Method	TBLASTX:Maize
Start	24212	End	24656
GI	none	Score	137
Exons	24212..24238, 24236..24379, 24398..24655, 24401..24655, 24402..24656		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o2.ts	Method	TBLASTX:Soybean
Start	24323	End	24754
GI	none	Score	44
Exons	24323..24754, 24357..24527, 24485..24691, 24564..24707		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o5.tw	Method	TBLASTX:Wheat
Start	24378	End	24802
GI	none	Score	252
Exons	24378..24704, 24383..24802		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o2.tm	Method	TBLASTX:Maize
Start	24887	End	25244
GI	none	Score	206
Exons	24887..25243, 24897..25244		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o3.tw	Method	TBLASTX:Wheat
Start	24917	End	25355
GI	none	Score	269
Exons	24917..25345, 24918..25355		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o7.ts	Method	TBLASTX:Soybean
Start	24968	End	25333
GI	none	Score	133
Exons	24968..25102, 25109..25333		

Seq. No.	30237	Seq. ID	OJ990429_28.9924.C10
Gene No.	62471	Strand	-
Start	22220	End	27075
Name	OJ990429_28.9924.C10.o11.tw	Method	TBLASTX:Wheat
Start	25390	End	25767
GI	none	Score	244
Exons	25390..25767		

Seq. No.	30238	Seq. ID	OJ990429_28.9924.C11
Gene No.	62472	Strand	+
Start	237	End	1025
Name	OJ990429_28.9924.C11.o1.gs	Method	GENSCAN
Start	237	End	909
GI	none	Score	.6
Exons	237..349, 516..687, 793..909		

Seq. No.	30238	Seq. ID	OJ990429_28.9924.C11
Gene No.	62472	Strand	+
Start	237	End	1025
Name	OJ990429_28.9924.C11.o1.gp	Method	AAT/GAP
Start	505	End	1025
GI	LIB3431-001-P1-N1-B5	Score	766
Exons	505..687, 793..1025		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	30238	Seq. ID	OJ990429_28.9924.C11
Gene No.	62473	Strand	-
Start	1418	End	2490
Name	OJ990429_28.9924.C11.o2.gs	Method	GENSCAN
Start	1418	End	2490
GI	none	Score	.73
Exons	1418..1468, 1761..1882, 2021..2048, 2064..2234, 2338..2490		

Seq. No.	30238	Seq. ID	OJ990429_28.9924.C11
Gene No.	62473	Strand	-
Start	1418	End	2490
Name	OJ990429_28.9924.C11.o1.np	Method	AAT/NAP
Start	1886	End	2490
GI	2407267	Score	431

Exons	1886..2234, 2338..2490		
GI Descrip.	(AF017356) low molecular early light-inducible protein [Oryza sativa]		

Seq. No.	30239	Seq. ID	OJ990429_28.9924.C12
Gene No.	62474	Strand	+
Start	75	End	2847
Name	OJ990429_28.9924.C12.o1.gs	Method	GENSCAN
Start	75	End	2847
GI	none	Score	.58
Exons	75..175, 786..1298, 1936..2107, 2716..2847		

Seq. No.	30239	Seq. ID	OJ990429_28.9924.C12
Gene No.	62474	Strand	+
Start	75	End	2847
Name	OJ990429_28.9924.C12.o1.np	Method	AAT/NAP
Start	775	End	2311
GI	4206306	Score	1020
Exons	775..2311		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	30239	Seq. ID	OJ990429_28.9924.C12
Gene No.	62475	Strand	+
Start	4964	End	7871
Name	OJ990429_28.9924.C12.o3.gs	Method	GENSCAN
Start	4964	End	7871
GI	none	Score	.87
Exons	4964..5293, 5356..5511, 5535..5702, 6666..6738, 6799..7269, 7612..7871		

Seq. No.	30239	Seq. ID	OJ990429_28.9924.C12
Gene No.	62476	Strand	+
Start	8636	End	9907
Name	OJ990429_28.9924.C12.o4.gs	Method	GENSCAN
Start	8636	End	9907
GI	none	Score	.4
Exons	8636..9164, 9178..9360, 9467..9491, 9811..9907		

Seq. No.	30239	Seq. ID	OJ990429_28.9924.C12
Gene No.	62477	Strand	-
Start	3017	End	4209
Name	OJ990429_28.9924.C12.o2.gs	Method	GENSCAN
Start	3017	End	4209
GI	none	Score	.49
Exons	3017..3028, 3058..3353, 3705..4209		

Seq. No.	30239	Seq. ID	OJ990429_28.9924.C12
Gene No.	62478	Strand	-
Start	10465	End	16201
Name	OJ990429_28.9924.C12.o1.tw	Method	TBLASTX:Wheat
Start	1199	End	1582
GI	none	Score	237
Exons	1199..1582, 1243..1509		

Seq. No.	30239	Seq. ID	OJ990429_28.9924.C12
Gene No.	62478	Strand	-
Start	10465	End	16201

Name	OJ990429_28.9924.C12.o1.tm	Method	TBLASTX:Maize
Start	1358	End	1720
GI	none	Score	322
Exons	1358..1720, 1429..1719		

Seq. No.	30239	Seq. ID	OJ990429_28.9924.C12
Gene No.	62478	Strand	-
Start	10465	End	16201
Name	OJ990429_28.9924.C12.o2.tm	Method	TBLASTX:Maize
Start	2015	End	2260
GI	none	Score	190
Exons	2015..2260, 2101..2235		

Seq. No.	30239	Seq. ID	OJ990429_28.9924.C12
Gene No.	62478	Strand	-
Start	10465	End	16201
Name	OJ990429_28.9924.C12.o1.ts	Method	TBLASTX:Soybean
Start	9144	End	9570
GI	none	Score	161
Exons	9144..9377, 9466..9570		

Seq. No.	30239	Seq. ID	OJ990429_28.9924.C12
Gene No.	62478	Strand	-
Start	10465	End	16201
Name	OJ990429_28.9924.C12.o5.gs	Method	GENSCAN
Start	10465	End	16201
GI	none	Score	.69
Exons	10465..10475, 10501..10762, 10866..10934, 10964..11572, 11585..11850, 11937..12070, 12194..12582, 12772..12866, 13334..13386, 13439..13594, 14846..14956, 16151..16201		

Seq. No.	30240	Seq. ID	OJ990429_28.9924.C13
Gene No.	62479	Strand	-
Start	1	End	629
Name	OJ990429_28.9924.C13.o1.np	Method	AAT/NAP
Start	1	End	629
GI	3645898	Score	284
Exons	1..629		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	30240	Seq. ID	OJ990429_28.9924.C13
Gene No.	62479	Strand	-
Start	1	End	629
Name	OJ990429_28.9924.C13.o1.tm	Method	TBLASTX:Maize
Start	57	End	458
GI	none	Score	73
Exons	57..458, 169..408		

Seq. No.	30240	Seq. ID	OJ990429_28.9924.C13
Gene No.	62479	Strand	-
Start	1	End	629
Name	OJ990429_28.9924.C13.o1.gs	Method	GENSCAN
Start	366	End	626
GI	none	Score	.52
Exons	366..626		

Seq. No.	30241	Seq. ID	OJ990429_25.9922.C1
Gene No.	62480	Strand	+
Start	4879	End	6205
Name	OJ990429_25.9922.C1.o2.gs	Method	GENSCAN
Start	4879	End	6205
GI	none	Score	.91
Exons	4879..4992, 4998..5403, 6189..6205		

Seq. No.	30241	Seq. ID	OJ990429_25.9922.C1
Gene No.	62481	Strand	+
Start	19195	End	22673
Name	OJ990429_25.9922.C1.o3.gp	Method	AAT/GAP
Start	19149	End	19567
GI	5002833	Score	697
Exons	19149..19567		

Seq. No.	30241	Seq. ID	OJ990429_25.9922.C1
Gene No.	62481	Strand	+
Start	19195	End	22673
Name	OJ990429_25.9922.C1.o5.gs	Method	GENSCAN
Start	19195	End	22673
GI	none	Score	.71
Exons	19195..20400, 20863..20986, 20988..21222, 21297..21447, 21995..22206, 22523..22673		

Seq. No.	30241	Seq. ID	OJ990429_25.9922.C1
Gene No.	62481	Strand	+
Start	19195	End	22673
Name	OJ990429_25.9922.C1.o2.np	Method	AAT/NAP
Start	19231	End	20139
GI	3298539	Score	560
Exons	19231..20139		
GI Descrip.	(AC004681) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	30241	Seq. ID	OJ990429_25.9922.C1
Gene No.	62482	Strand	-
Start	219	End	4019
Name	OJ990429_25.9922.C1.o1.gs	Method	GENSCAN
Start	219	End	4019
GI	none	Score	.55
Exons	219..311, 467..524, 712..778, 1065..1096, 1704..1891, 2750..2856, 3323..3531, 3581..3775, 3873..4019		

Seq. No.	30241	Seq. ID	OJ990429_25.9922.C1
Gene No.	62482	Strand	-
Start	219	End	4019
Name	OJ990429_25.9922.C1.o1.gp	Method	AAT/GAP
Start	2500	End	2863
GI	30226_1.R1084	Score	391
Exons	2500..2602, 2750..2863		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	30241	Seq. ID	OJ990429_25.9922.C1
Gene No.	62483	Strand	-
Start	5748	End	13997
Name	OJ990429_25.9922.C1.o1.np	Method	AAT/NAP

Start	5748	End	11722
GI	4680199	Score	576
Exons	5748..5778, 7510..7635, 7808..7922, 7998..8551, 11695..11722		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	30241	Seq. ID	OJ990429_25.9922.C1
Gene No.	62483	Strand	-
Start	5748	End	13997
Name	OJ990429_25.9922.C1.o3.gs	Method	GENSCAN
Start	7520	End	13997
GI	none	Score	.64
Exons	7520..7641, 7812..7922, 8068..8230, 8363..8488, 8620..8841, 9254..9721, 9761..9854, 10374..10567, 10806..10959, 11057..11223, 12325..12453, 12592..12718, 13453..13630, 13681..13749, 13937..13997		

Seq. No.	30241	Seq. ID	OJ990429_25.9922.C1
Gene No.	62483	Strand	-
Start	5748	End	13997
Name	OJ990429_25.9922.C1.o2.gp	Method	AAT/GAP
Start	10814	End	11194
GI	30226_1.R1084	Score	350
Exons	10814..10920, 11071..11194		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	30241	Seq. ID	OJ990429_25.9922.C1
Gene No.	62484	Strand	-
Start	16284	End	18544
Name	OJ990429_25.9922.C1.o3.ts	Method	TBLASTX:Soybean
Start	3894	End	4140
GI	none	Score	235
Exons	3894..4133, 3925..4134, 3952..4140		

Seq. No.	30241	Seq. ID	OJ990429_25.9922.C1
Gene No.	62484	Strand	-
Start	16284	End	18544
Name	OJ990429_25.9922.C1.o2.tc	Method	TBLASTX:Cress
Start	3939	End	4134
GI	none	Score	211
Exons	3939..4130, 3940..4134		

Seq. No.	30241	Seq. ID	OJ990429_25.9922.C1
Gene No.	62484	Strand	-
Start	16284	End	18544
Name	OJ990429_25.9922.C1.o2.tm	Method	TBLASTX:Maize
Start	7584	End	7920
GI	none	Score	60
Exons	7584..7712, 7585..7689, 7720..7917, 7720..7920		

Seq. No.	30241	Seq. ID	OJ990429_25.9922.C1
Gene No.	62484	Strand	-
Start	16284	End	18544
Name	OJ990429_25.9922.C1.o2.ts	Method	TBLASTX:Soybean
Start	7831	End	8261
GI	none	Score	51
Exons	7831..7923, 7996..8073, 8064..8135, 8078..8257, 8178..8261		

Seq. No.	30241	Seq. ID	OJ990429_25.9922.C1
Gene No.	62484	Strand	-
Start	16284	End	18544
Name	OJ990429_25.9922.C1.o2.tw	Method	TBLASTX:Wheat
Start	7996	End	8350
GI	none	Score	40
Exons	7996..8076, 7997..8077, 8069..8350, 8082..8342		

Seq. No.	30241	Seq. ID	OJ990429_25.9922.C1
Gene No.	62484	Strand	-
Start	16284	End	18544
Name	OJ990429_25.9922.C1.o3.tm	Method	TBLASTX:Maize
Start	8076	End	8290
GI	none	Score	83
Exons	8076..8243, 8078..8290		

Seq. No.	30241	Seq. ID	OJ990429_25.9922.C1
Gene No.	62484	Strand	-
Start	16284	End	18544
Name	OJ990429_25.9922.C1.o4.gs	Method	GENSCAN
Start	16284	End	18544
GI	none	Score	.44
Exons	16284..16310, 16864..17017, 18234..18290, 18345..18397, 18524..18544		

Seq. No.	30241	Seq. ID	OJ990429_25.9922.C1
Gene No.	62485	Strand	
Start	19227	End	19983
Name	OJ990429_25.9922.C1.o1.tw	Method	TBLASTX:Wheat
Start	19227	End	19569
GI	none	Score	210
Exons	19227..19424, 19228..19425, 19431..19568, 19432..19569		

Seq. No.	30241	Seq. ID	OJ990429_25.9922.C1
Gene No.	62485	Strand	
Start	19227	End	19983
Name	OJ990429_25.9922.C1.o1.tc	Method	TBLASTX:Cress
Start	19282	End	19983
GI	none	Score	39
Exons	19282..19335, 19419..19505, 19420..19506, 19506..19697, 19507..19668, 19695..19982, 19696..19983		

Seq. No.	30241	Seq. ID	OJ990429_25.9922.C1
Gene No.	62485	Strand	
Start	19227	End	19983
Name	OJ990429_25.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	19411	End	19914
GI	none	Score	38
Exons	19411..19431, 19470..19676, 19472..19513, 19492..19674, 19662..19847, 19675..19815, 19792..19914, 19816..19914		

Seq. No.	30241	Seq. ID	OJ990429_25.9922.C1
Gene No.	62485	Strand	
Start	19227	End	19983
Name	OJ990429_25.9922.C1.o1.ts	Method	TBLASTX:Soybean
Start	19507	End	19983

GI	none	Score	126
Exons	19507..19680, 19696..19725, 19743..19835, 19756..19836, 19824..19976, 19831..19983		

Seq. No.	30241	Seq. ID	OJ990429_25.9922.C1
Gene No.	62486	Strand	
Start	19987	End	20196
Name	OJ990429_25.9922.C1.o3.tw	Method	TBLASTX:Wheat
Start	19987	End	20196
GI	none	Score	102
Exons	19987..20067, 19989..20063, 20026..20067, 20027..20107, 20069..20188, 20122..20196, 20122..20196		

Seq. No.	30242	Seq. ID	OJ990429_25.9922.C3
Gene No.	62487	Strand	+
Start	55	End	370
Name	OJ990429_25.9922.C3.o1.gs	Method	GENSCAN
Start	55	End	370
GI	none	Score	.82
Exons	55..370		

Seq. No.	30242	Seq. ID	OJ990429_25.9922.C3
Gene No.	62488	Strand	+
Start	5120	End	5440
Name	OJ990429_25.9922.C3.o1.gp	Method	AAT/GAP
Start	5120	End	5440
GI	uC-osf1M202076b06b1	Score	610
Exons	5120..5440		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	30242	Seq. ID	OJ990429_25.9922.C3
Gene No.	62489	Strand	+
Start	6819	End	7018
Name	OJ990429_25.9922.C3.o6.gs	Method	GENSCAN
Start	6819	End	7018
GI	none	Score	.47
Exons	6819..6979, 6985..7018		

Seq. No.	30242	Seq. ID	OJ990429_25.9922.C3
Gene No.	62490	Strand	-
Start	637	End	1047
Name	OJ990429_25.9922.C3.o2.gs	Method	GENSCAN
Start	637	End	1047
GI	none	Score	.64
Exons	637..843, 997..1047		

Seq. No.	30242	Seq. ID	OJ990429_25.9922.C3
Gene No.	62491	Strand	-
Start	2402	End	9392
Name	OJ990429_25.9922.C3.o3.gs	Method	GENSCAN
Start	2402	End	2722
GI	none	Score	.92
Exons	2402..2554, 2627..2722		

Seq. No.	30242	Seq. ID	OJ990429_25.9922.C3
Gene No.	62491	Strand	-

Start	2402	End	9392
Name	OJ990429_25.9922.C3.o1.np	Method	AAT/NAP
Start	2541	End	8815
GI	726436	Score	190
Exons	2541..2635, 4087..4352, 5283..5785, 6169..6337, 6836..7001, 8641..8815		
GI Descrip.	(U23181) final exon in repeat region; similar to long tandem repeat region of sialidase (SP:TCNA_TRYCR, P23253) and neurofilament H protein [Caenorhabditis elegans]		

Seq. No.	30242	Seq. ID	OJ990429_25.9922.C3
Gene No.	62491	Strand	-
Start	2402	End	9392
Name	OJ990429_25.9922.C3.o4.gs	Method	GENSCAN
Start	3470	End	4607
GI	none	Score	.64
Exons	3470..3672, 4081..4092, 4478..4607		

Seq. No.	30242	Seq. ID	OJ990429_25.9922.C3
Gene No.	62491	Strand	-
Start	2402	End	9392
Name	OJ990429_25.9922.C3.o5.gs	Method	GENSCAN
Start	5240	End	5605
GI	none	Score	.91
Exons	5240..5605		

Seq. No.	30242	Seq. ID	OJ990429_25.9922.C3
Gene No.	62491	Strand	-
Start	2402	End	9392
Name	OJ990429_25.9922.C3.o7.gs	Method	GENSCAN
Start	7528	End	9392
GI	none	Score	.82
Exons	7528..7715, 7741..7910, 8583..8652, 8997..9101, 9308..9392		

Seq. No.	30243	Seq. ID	OJ990429_25.9922.C4
Gene No.	62492	Strand	+
Start	624	End	727
Name	OJ990429_25.9922.C4.o1.gp	Method	AAT/GAP
Start	624	End	727
GI	2280917	Score	181
Exons	624..727		

Seq. No.	30243	Seq. ID	OJ990429_25.9922.C4
Gene No.	62493	Strand	+
Start	813	End	1617
Name	OJ990429_25.9922.C4.o2.gp	Method	AAT/GAP
Start	813	End	1617
GI	none	Score	1188
Exons	813..1109, 1271..1617		

Seq. No.	30243	Seq. ID	OJ990429_25.9922.C4
Gene No.	62493	Strand	+
Start	813	End	1617
Name	OJ990429_25.9922.C4.o1.gs	Method	GENSCAN
Start	833	End	1431
GI	none	Score	.98
Exons	833..1109, 1271..1431		

Seq. No.	30243	Seq. ID	OJ990429_25.9922.C4
Gene No.	62494	Strand	+
Start	3571	End	6084
Name	OJ990429_25.9922.C4.o2.gs	Method	GENSCAN
Start	3571	End	6084
GI	none	Score	.83
Exons	3571..3607, 3687..3899, 4539..4683, 5071..5138, 5984..6084		

Seq. No.	30243	Seq. ID	OJ990429_25.9922.C4
Gene No.	62495	Strand	+
Start	6666	End	12128
Name	OJ990429_25.9922.C4.o1.np	Method	AAT/NAP
Start	6666	End	11457
GI	6016874	Score	2175
Exons	6666..6744, 6828..6965, 7030..7262, 7653..7812, 8206..8385, 8497..8836, 9335..9588, 11425..11457		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	30243	Seq. ID	OJ990429_25.9922.C4
Gene No.	62495	Strand	+
Start	6666	End	12128
Name	OJ990429_25.9922.C4.o3.gs	Method	GENSCAN
Start	6666	End	12128
GI	none	Score	.73
Exons	6666..6744, 6828..6965, 7030..7118, 7653..7812, 8206..8385, 8440..8836, 9339..9463, 9956..10069, 10148..10312, 10457..10651, 10720..10853, 10938..11336, 11425..11559, 12063..12128		

Seq. No.	30243	Seq. ID	OJ990429_25.9922.C4
Gene No.	62495	Strand	+
Start	6666	End	12128
Name	OJ990429_25.9922.C4.o3.gp	Method	AAT/GAP
Start	7355	End	7863
GI	uC-osflcyp110c07b1	Score	966
Exons	7355..7863		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	30243	Seq. ID	OJ990429_25.9922.C4
Gene No.	62496	Strand	+
Start	20717	End	20906
Name	OJ990429_25.9922.C4.o2.np	Method	AAT/NAP
Start	20717	End	20906
GI	3047096	Score	70
Exons	20717..20906		
GI Descrip.	(AF058826) similar to eukaryotic protein kinase domains (Pfam: pkinase.hmm, score: 189.74) [Arabidopsis thaliana]		

Seq. No.	30243	Seq. ID	OJ990429_25.9922.C4
Gene No.	62497	Strand	+
Start	21588	End	22608
Name	OJ990429_25.9922.C4.o5.gs	Method	GENSCAN
Start	21588	End	22608

GI	none	Score	.92
Exons	21588..21749, 21973..22608		

Seq. No.	30243	Seq. ID	OJ990429_25.9922.C4
Gene No.	62498	Strand	+
Start	26241	End	31255
Name	OJ990429_25.9922.C4.o7.gs	Method	GENSCAN
Start	26241	End	31255
GI	none	Score	.74
Exons	26241..26330, 26628..26706, 26847..27076, 28342..28575, 28741..28871, 29709..29881, 31200..31255		

Seq. No.	30243	Seq. ID	OJ990429_25.9922.C4
Gene No.	62499	Strand	-
Start	23068	End	24897
Name	OJ990429_25.9922.C4.o6.gs	Method	GENSCAN
Start	23068	End	24897
GI	none	Score	.83
Exons	23068..23216, 24313..24508, 24757..24897		

Seq. No.	30243	Seq. ID	OJ990429_25.9922.C4
Gene No.	62500	Strand	-
Start	24830	End	26378
Name	OJ990429_25.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	7014	End	7460
GI	none	Score	69
Exons	7014..7100, 7085..7294, 7086..7334, 7371..7427, 7422..7460		

Seq. No.	30243	Seq. ID	OJ990429_25.9922.C4
Gene No.	62500	Strand	-
Start	24830	End	26378
Name	OJ990429_25.9922.C4.o3.tm	Method	TBLASTX:Maize
Start	7554	End	7868
GI	none	Score	65
Exons	7554..7628, 7641..7868, 7649..7867		

Seq. No.	30243	Seq. ID	OJ990429_25.9922.C4
Gene No.	62500	Strand	-
Start	24830	End	26378
Name	OJ990429_25.9922.C4.o4.tm	Method	TBLASTX:Maize
Start	8073	End	8455
GI	none	Score	246
Exons	8073..8354, 8084..8455		

Seq. No.	30243	Seq. ID	OJ990429_25.9922.C4
Gene No.	62500	Strand	-
Start	24830	End	26378
Name	OJ990429_25.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	8541	End	8774
GI	none	Score	273
Exons	8541..8774, 8597..8689		

Seq. No.	30243	Seq. ID	OJ990429_25.9922.C4
Gene No.	62500	Strand	-
Start	24830	End	26378
Name	OJ990429_25.9922.C4.o4.gp	Method	AAT/GAP
Start	24830	End	26378

GI	2311748	Score	578
Exons	24830..24925, 25302..25376, 26216..26378		

Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62501	Strand	+
Start	2840	End	3605
Name	OJ990429_25.9922.C5.o2.gp	Method	AAT/GAP
Start	2840	End	3605
GI	14578_1.R1084	Score	663
Exons	2840..2931, 3033..3104, 3377..3605		
GI Descrip.	'2465151/emb|CAB16880| 2.0e-19 (Z99753) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62502	Strand	+
Start	9562	End	11676
Name	OJ990429_25.9922.C5.o4.gs	Method	GENSCAN
Start	9562	End	11676
GI	none	Score	.49
Exons	9562..9681, 10321..10341, 11286..11471, 11614..11676		

Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62503	Strand	+
Start	17712	End	20954
Name	OJ990429_25.9922.C5.o6.gs	Method	GENSCAN
Start	17712	End	20954
GI	none	Score	.55
Exons	17712..17740, 17977..18151, 18521..18608, 19374..19799, 20302..20413, 20840..20954		

Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62504	Strand	-
Start	679	End	2225
Name	OJ990429_25.9922.C5.o1.gp	Method	AAT/GAP
Start	361	End	2167
GI	17465_1.R1084	Score	1023
Exons	361..725, 1358..1428, 1532..1577, 1695..1742, 2109..2167		
GI Descrip.	'1825727 2.0e-22 (U88308) C32E8.5 gene product [Caenorhabditis elegans]'		

Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62504	Strand	-
Start	679	End	2225
Name	OJ990429_25.9922.C5.o1.np	Method	AAT/NAP
Start	639	End	2225
GI	1825727	Score	177
Exons	639..725, 1358..1428, 1532..1577, 1695..1742, 2109..2225		
GI Descrip.	(U88308) C32E8.5 gene product [Caenorhabditis elegans]		

Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62504	Strand	-
Start	679	End	2225
Name	OJ990429_25.9922.C5.o1.gs	Method	GENSCAN
Start	679	End	2203
GI	none	Score	.62
Exons	679..725, 1362..1428, 1532..1577, 1695..1742, 2109..2203		

Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62505	Strand	-
Start	6128	End	14993
Name	OJ990429_25.9922.C5.o2.np	Method	AAT/NAP
Start	6128	End	14993
GI	4680179	Score	2101
Exons	6128..6197, 13216..14993		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62505	Strand	-
Start	6128	End	14993
Name	OJ990429_25.9922.C5.o3.gs	Method	GENSCAN
Start	7992	End	8672
GI	none	Score	.5
Exons	7992..8672		

Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62506	Strand	-
Start	22196	End	24094
Name	OJ990429_25.9922.C5.o7.gs	Method	GENSCAN
Start	22196	End	24094
GI	none	Score	.8
Exons	22196..22356, 22505..22781, 22871..22991, 23634..24094		

Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62507	Strand	-
Start	24368	End	24871
Name	OJ990429_25.9922.C5.o8.gs	Method	GENSCAN
Start	24368	End	24871
GI	none	Score	.97
Exons	24368..24871		

Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62508	Strand	-
Start	25729	End	26244
Name	OJ990429_25.9922.C5.o9.gs	Method	GENSCAN
Start	25729	End	26244
GI	none	Score	.92
Exons	25729..26244		

Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62509	Strand	-
Start	27534	End	28199
Name	OJ990429_25.9922.C5.o5.tm	Method	TBLASTX:Maize
Start	1359	End	2227
GI	none	Score	66
Exons	1359..1424, 1360..1425, 1360..1437, 1524..1577, 1525..1578, 1532..1579, 1532..1579, 1682..1747, 1689..1757, 1695..1745, 2096..2224, 2108..2227		

Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62509	Strand	-
Start	27534	End	28199
Name	OJ990429_25.9922.C5.o3.ts	Method	TBLASTX:Soybean
Start	2104	End	2227
GI	none	Score	64

Exons	2104..2190, 2105..2194, 2108..2227, 2121..2225		
Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62509	Strand	-
Start	27534	End	28199
Name	OJ990429_25.9922.C5.o4.tm	Method	TBLASTX:Maize
Start	2839	End	3139
GI	none	Score	149
Exons	2839..2940, 2839..2934, 2841..2942, 3030..3074, 3030..3104, 3032..3103, 3032..3139		
Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62509	Strand	-
Start	27534	End	28199
Name	OJ990429_25.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	13404	End	13757
GI	none	Score	223
Exons	13404..13757, 13456..13755		
Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62509	Strand	-
Start	27534	End	28199
Name	OJ990429_25.9922.C5.o1.tw	Method	TBLASTX:Wheat
Start	13404	End	13830
GI	none	Score	100
Exons	13404..13829, 13406..13768, 13419..13772, 13441..13830		
Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62509	Strand	-
Start	27534	End	28199
Name	OJ990429_25.9922.C5.o2.ts	Method	TBLASTX:Soybean
Start	13578	End	13823
GI	none	Score	213
Exons	13578..13823		
Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62509	Strand	-
Start	27534	End	28199
Name	OJ990429_25.9922.C5.o3.tm	Method	TBLASTX:Maize
Start	13764	End	14111
GI	none	Score	67
Exons	13764..14111, 13909..14079		
Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62509	Strand	-
Start	27534	End	28199
Name	OJ990429_25.9922.C5.o3.tw	Method	TBLASTX:Wheat
Start	13836	End	14132
GI	none	Score	178
Exons	13836..14132, 13873..14088		
Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62509	Strand	-
Start	27534	End	28199
Name	OJ990429_25.9922.C5.o1.ts	Method	TBLASTX:Soybean
Start	13845	End	14240
GI	none	Score	146

Exons	13845..14204, 13873..14088, 13896..14204, 14128..14223, 14208..14240, 14208..14240		
Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62509	Strand	-
Start	27534	End	28199
Name	OJ990429_25.9922.C5.o2.tm	Method	TBLASTX:Maize
Start	14127	End	14594
GI	none	Score	132
Exons	14127..14594, 14164..14535		
Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62509	Strand	-
Start	27534	End	28199
Name	OJ990429_25.9922.C5.o2.tw	Method	TBLASTX:Wheat
Start	14181	End	14664
GI	none	Score	261
Exons	14181..14663, 14209..14664		
Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62509	Strand	-
Start	27534	End	28199
Name	OJ990429_25.9922.C5.o6.tm	Method	TBLASTX:Maize
Start	14595	End	14792
GI	none	Score	149
Exons	14595..14792, 14596..14742		
Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62509	Strand	-
Start	27534	End	28199
Name	OJ990429_25.9922.C5.o5.tw	Method	TBLASTX:Wheat
Start	14667	End	14954
GI	none	Score	56
Exons	14667..14765, 14668..14742, 14841..14954, 14848..14943		
Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62509	Strand	-
Start	27534	End	28199
Name	OJ990429_25.9922.C5.o4.tw	Method	TBLASTX:Wheat
Start	14979	End	15344
GI	none	Score	60
Exons	14979..15344, 15238..15339		
Seq. No.	30244	Seq. ID	OJ990429_25.9922.C5
Gene No.	62509	Strand	-
Start	27534	End	28199
Name	OJ990429_25.9922.C5.o10.gs	Method	GENSCAN
Start	27534	End	28199
GI	none	Score	.89
Exons	27534..27567, 27901..28083, 28120..28199		
Seq. No.	30245	Seq. ID	OJ990429_25.9922.C6
Gene No.	62510	Strand	+
Start	52	End	111
Name	OJ990429_25.9922.C6.o1.gs	Method	GENSCAN
Start	52	End	111
GI	none	Score	.99

Exons	52..111		

Seq. No.	30246	Seq. ID	OJ990429_21.9922.C1
Gene No.	62511	Strand	+
Start	542	End	1029
Name	OJ990429_21.9922.C1.o1.gs	Method	GENSCAN
Start	542	End	1029
GI	none	Score	.61
Exons	542..657, 883..1029		

Seq. No.	30246	Seq. ID	OJ990429_21.9922.C1
Gene No.	62512	Strand	+
Start	7792	End	11106
Name	OJ990429_21.9922.C1.o5.gs	Method	GENSCAN
Start	7792	End	10956
GI	none	Score	.45
Exons	7792..8070, 10005..10176, 10326..10559, 10687..10739, 10840..10956		

Seq. No.	30246	Seq. ID	OJ990429_21.9922.C1
Gene No.	62512	Strand	+
Start	7792	End	11106
Name	OJ990429_21.9922.C1.o3.np	Method	AAT/NAP
Start	10427	End	10953
GI	6815054	Score	432
Exons	10427..10559, 10687..10739, 10840..10953		
GI Descrip.	(AP001080) EST AU078096(C53806) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30246	Seq. ID	OJ990429_21.9922.C1
Gene No.	62512	Strand	+
Start	7792	End	11106
Name	OJ990429_21.9922.C1.o1.gp	Method	AAT/GAP
Start	10491	End	11106
GI	5816499	Score	718
Exons	10491..10559, 10687..10739, 10840..11106		

Seq. No.	30246	Seq. ID	OJ990429_21.9922.C1
Gene No.	62513	Strand	+
Start	12932	End	16322
Name	OJ990429_21.9922.C1.o2.gp	Method	AAT/GAP
Start	12932	End	16239
GI	none	Score	625
Exons	12932..12961, 12990..13126, 13529..13579, 13870..13921, 14500..14558, 15378..15423, 16201..16239		

Seq. No.	30246	Seq. ID	OJ990429_21.9922.C1
Gene No.	62513	Strand	+
Start	12932	End	16322
Name	OJ990429_21.9922.C1.o4.np	Method	AAT/NAP
Start	13043	End	16322
GI	6815055	Score	584
Exons	13043..13126, 13529..13579, 13870..13921, 14500..14558, 15378..15423, 16201..16322		
GI Descrip.	(AP001080) EST AU081527(C53732) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30246	Seq. ID	OJ990429_21.9922.C1
Gene No.	62514	Strand	+
Start	16364	End	16619
Name	OJ990429_21.9922.C1.o3.gp	Method	AAT/GAP
Start	16364	End	16619
GI	none	Score	472
Exons	16364..16619		

Seq. No.	30246	Seq. ID	OJ990429_21.9922.C1
Gene No.	62515	Strand	+
Start	19364	End	19724
Name	OJ990429_21.9922.C1.o5.np	Method	AAT/NAP
Start	19364	End	19724
GI	6815056	Score	590
Exons	19364..19724		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	30246	Seq. ID	OJ990429_21.9922.C1
Gene No.	62515	Strand	+
Start	19364	End	19724
Name	OJ990429_21.9922.C1.o8.gs	Method	GENSCAN
Start	19364	End	19718
GI	none	Score	.55
Exons	19364..19718		

Seq. No.	30246	Seq. ID	OJ990429_21.9922.C1
Gene No.	62516	Strand	-
Start	877	End	1983
Name	OJ990429_21.9922.C1.o1.np	Method	AAT/NAP
Start	877	End	1983
GI	6815052	Score	698
Exons	877..976, 1274..1391, 1674..1748, 1830..1983		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	30246	Seq. ID	OJ990429_21.9922.C1
Gene No.	62516	Strand	-
Start	877	End	1983
Name	OJ990429_21.9922.C1.o2.gs	Method	GENSCAN
Start	1270	End	1983
GI	none	Score	.63
Exons	1270..1391, 1674..1748, 1830..1983		

Seq. No.	30246	Seq. ID	OJ990429_21.9922.C1
Gene No.	62517	Strand	-
Start	3022	End	3302
Name	OJ990429_21.9922.C1.o3.gs	Method	GENSCAN
Start	3022	End	3302
GI	none	Score	.58
Exons	3022..3106, 3118..3302		

Seq. No.	30246	Seq. ID	OJ990429_21.9922.C1
Gene No.	62518	Strand	-
Start	6072	End	7183
Name	OJ990429_21.9922.C1.o4.gs	Method	GENSCAN
Start	6072	End	7183
GI	none	Score	.82
Exons	6072..6312, 6362..6537, 7037..7183		

Seq. No.	30246	Seq. ID	OJ990429_21.9922.C1
Gene No.	62518	Strand	-
Start	6072	End	7183
Name	OJ990429_21.9922.C1.o2.np	Method	AAT/NAP
Start	6075	End	7183
GI	6815053	Score	923
Exons	6075..6312, 6362..6537, 7037..7183		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	30246	Seq. ID	OJ990429_21.9922.C1
Gene No.	62519	Strand	-
Start	16244	End	17651
Name	OJ990429_21.9922.C1.o7.gs	Method	GENSCAN
Start	16244	End	17651
GI	none	Score	.9
Exons	16244..16326, 17130..17253, 17565..17651		

Seq. No.	30247	Seq. ID	OJ990429_21.9922.C2
Gene No.	62520	Strand	+
Start	1	End	5212
Name	OJ990429_21.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	840
GI	6815056	Score	1435
Exons	1..840		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	30247	Seq. ID	OJ990429_21.9922.C2
Gene No.	62520	Strand	+
Start	1	End	5212
Name	OJ990429_21.9922.C2.o1.gs	Method	GENSCAN
Start	85	End	5212
GI	none	Score	.4
Exons	85..803, 4954..5212		

Seq. No.	30247	Seq. ID	OJ990429_21.9922.C2
Gene No.	62521	Strand	+
Start	17053	End	19777
Name	OJ990429_21.9922.C2.o4.gp	Method	AAT/GAP
Start	16951	End	17200
GI	uC-osroM202001f03b1	Score	455
Exons	16951..17200		
GI Descrip.	'3819221/emb|AJ234438.1|HVU234438 8.0e-09 Hordeum vulgare partial mRNA; clone cMWG0721'		

Seq. No.	30247	Seq. ID	OJ990429_21.9922.C2
Gene No.	62521	Strand	+
Start	17053	End	19777
Name	OJ990429_21.9922.C2.o3.np	Method	AAT/NAP
Start	16984	End	18677
GI	6815058	Score	762
Exons	16984..17268, 18498..18677		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	30247	Seq. ID	OJ990429_21.9922.C2
Gene No.	62521	Strand	+
Start	17053	End	19777

Name	OJ990429_21.9922.C2.o3.gs	Method	GENSCAN
Start	17053	End	19777
GI	none	Score	.96
Exons	17053..17268, 18498..18673, 19708..19777		

Seq. No.	30247	Seq. ID	OJ990429_21.9922.C2
Gene No.	62522	Strand	-
Start	8673	End	12006
Name	OJ990429_21.9922.C2.o1.gp	Method	AAT/GAP
Start	8556	End	8970
GI	none	Score	759
Exons	8556..8970		

Seq. No.	30247	Seq. ID	OJ990429_21.9922.C2
Gene No.	62522	Strand	-
Start	8673	End	12006
Name	OJ990429_21.9922.C2.o2.gs	Method	GENSCAN
Start	8673	End	11115
GI	none	Score	.45
Exons	8673..8749, 8791..9133, 9259..9318, 9392..9634, 10158..10255, 10820..10937, 11041..11115		

Seq. No.	30247	Seq. ID	OJ990429_21.9922.C2
Gene No.	62522	Strand	-
Start	8673	End	12006
Name	OJ990429_21.9922.C2.o2.np	Method	AAT/NAP
Start	8777	End	11115
GI	6815057	Score	1540
Exons	8777..9133, 9392..9634, 10158..10256, 10758..10937, 11041..11115		
GI Descrip.	(AP001080) ESTs AU081555(E2011),C72657(E2011) correspond to a region of the predicted gene.; Similar to putative phosphoglyceride transfer protein. (AC002983) [Oryza sativa]		

Seq. No.	30247	Seq. ID	OJ990429_21.9922.C2
Gene No.	62522	Strand	-
Start	8673	End	12006
Name	OJ990429_21.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	8792	End	9554
GI	none	Score	101
Exons	8792..8884, 8793..8885, 8931..9140, 8933..9139, 8979..9149, 9389..9490, 9389..9481, 9483..9554, 9485..9553		

Seq. No.	30247	Seq. ID	OJ990429_21.9922.C2
Gene No.	62522	Strand	-
Start	8673	End	12006
Name	OJ990429_21.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	9391	End	9613
GI	none	Score	148
Exons	9391..9606, 9395..9613, 9405..9611		

Seq. No.	30247	Seq. ID	OJ990429_21.9922.C2
Gene No.	62522	Strand	-
Start	8673	End	12006
Name	OJ990429_21.9922.C2.o1.tc	Method	TBLASTX:Cress
Start	9392	End	9638
GI	none	Score	76
Exons	9392..9502, 9414..9509, 9500..9637, 9528..9638		

Seq. No.	30247	Seq. ID	OJ990429_21.9922.C2
Gene No.	62522	Strand	-
Start	8673	End	12006
Name	OJ990429_21.9922.C2.o2.gp	Method	AAT/GAP
Start	9425	End	10237
GI	LIB3433-029-P1-K1-G10	Score	537
Exons	9425..9634, 10158..10237		
GI Descrip.	'4309969/gb|AAB81870|AAB81870 4.0e-26 (AC002983) putative phosphoglyceride transfer protein [Arabidopsis thaliana]'		

Seq. No.	30247	Seq. ID	OJ990429_21.9922.C2
Gene No.	62522	Strand	-
Start	8673	End	12006
Name	OJ990429_21.9922.C2.o2.tm	Method	TBLASTX:Maize
Start	9555	End	11149
GI	none	Score	107
Exons	9555..9635, 9555..9635, 9557..9637, 10122..10256, 10126..10257, 10756..10956, 10758..10943, 11038..11148, 11042..11143, 11048..11149		

Seq. No.	30247	Seq. ID	OJ990429_21.9922.C2
Gene No.	62522	Strand	-
Start	8673	End	12006
Name	OJ990429_21.9922.C2.o3.gp	Method	AAT/GAP
Start	10746	End	12006
GI	2428194	Score	799
Exons	10746..10937, 11041..11154, 11851..12006		

Seq. No.	30247	Seq. ID	OJ990429_21.9922.C2
Gene No.	62523	Strand	
Start	17026	End	20108
Name	OJ990429_21.9922.C2.o3.tm	Method	TBLASTX:Maize
Start	17026	End	20108
GI	none	Score	64
Exons	17026..17070, 17028..17069, 17065..17268, 17160..17267, 18491..18682, 18492..18680, 19290..19376, 19291..19377, 19292..19378, 19673..19777, 19687..19818, 19687..19785, 19846..19989, 19846..19998, 19853..19999, 20059..20103, 20060..20104, 20061..20108		

Seq. No.	30247	Seq. ID	OJ990429_21.9922.C2
Gene No.	62523	Strand	
Start	17026	End	20108
Name	OJ990429_21.9922.C2.o2.ts	Method	TBLASTX:Soybean
Start	17047	End	19926
GI	none	Score	41
Exons	17047..17073, 17104..17253, 18489..18680, 18492..18674, 18497..18682, 19290..19376, 19291..19377, 19700..19777, 19705..19767, 19846..19926, 19849..19920		

Seq. No.	30248	Seq. ID	OJ990429_21.9922.C3
Gene No.	62524	Strand	+
Start	1	End	124
Name	OJ990429_21.9922.C3.o1.gp	Method	AAT/GAP
Start	1	End	124
GI	54260_1.R1084	Score	216

Exons	1..124		
GI Descrip.	'58067/emb|X52325|ARBLSKP 2.0e-13 pBluescript SK(+) vector DNA, phagemid excised from lambda ZAP'		

Seq. No.	30248	Seq. ID	OJ990429_21.9922.C3
Gene No.	62525	Strand	+
Start	1747	End	3120
Name	OJ990429_21.9922.C3.o1.gs	Method	GENSCAN
Start	1747	End	3120
GI	none	Score	.92
Exons	1747..3120		

Seq. No.	30248	Seq. ID	OJ990429_21.9922.C3
Gene No.	62525	Strand	+
Start	1747	End	3120
Name	OJ990429_21.9922.C3.o1.np	Method	AAT/NAP
Start	1747	End	3102
GI	6815059	Score	2321
Exons	1747..3102		
GI Descrip.	(AP001080) Similar to geranylgeranyl hydrogenase. (AF069318) [Oryza sativa]		

Seq. No.	30248	Seq. ID	OJ990429_21.9922.C3
Gene No.	62526	Strand	-
Start	3655	End	12059
Name	OJ990429_21.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	1915	End	3039
GI	none	Score	274
Exons	1915..2205, 1923..2084, 2284..2550, 2286..2375, 2433..2549, 2608..3039, 2697..2813, 2785..3009		

Seq. No.	30248	Seq. ID	OJ990429_21.9922.C3
Gene No.	62526	Strand	-
Start	3655	End	12059
Name	OJ990429_21.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	1915	End	7284
GI	none	Score	273
Exons	1915..2214, 1929..2213, 2284..2388, 2286..2546, 2287..2757, 2599..2754, 2812..3039, 2857..3009, 7150..7284		

Seq. No.	30248	Seq. ID	OJ990429_21.9922.C3
Gene No.	62526	Strand	-
Start	3655	End	12059
Name	OJ990429_21.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	1915	End	3039
GI	none	Score	646
Exons	1915..2550, 1920..2183, 2283..2372, 2433..2549, 2599..2727, 2608..2763, 2785..3039, 2785..3009		

Seq. No.	30248	Seq. ID	OJ990429_21.9922.C3
Gene No.	62526	Strand	-
Start	3655	End	12059
Name	OJ990429_21.9922.C3.o2.gp	Method	AAT/GAP
Start	3385	End	4136
GI	none	Score	656
Exons	3385..3660, 4061..4136		

Seq. No.	30248	Seq. ID	OJ990429_21.9922.C3
Gene No.	62526	Strand	-
Start	3655	End	12059
Name	OJ990429_21.9922.C3.o2.gs	Method	GENSCAN
Start	3655	End	11998
GI	none	Score	.62
Exons	3655..3660, 4061..4142, 4595..4713, 5513..5632, 5849..5919, 6337..6505, 7368..7594, 9619..9788, 9875..9987, 10054..10122, 10403..10480, 11126..11206, 11702..11758, 11888..11998		

Seq. No.	30248	Seq. ID	OJ990429_21.9922.C3
Gene No.	62526	Strand	-
Start	3655	End	12059
Name	OJ990429_21.9922.C3.o4.tc	Method	TBLASTX:Cress
Start	4046	End	5971
GI	none	Score	89
Exons	4046..4141, 4059..4142, 4060..4143, 4062..4142, 4594..4629, 4610..4696, 4621..4695, 4683..4724, 4687..4716, 5504..5635, 5511..5633, 5512..5634, 5513..5635, 5583..5639, 5843..5971, 5849..5920, 5850..5921		

Seq. No.	30248	Seq. ID	OJ990429_21.9922.C3
Gene No.	62526	Strand	-
Start	3655	End	12059
Name	OJ990429_21.9922.C3.o2.np	Method	AAT/NAP
Start	4058	End	6484
GI	6815060	Score	815
Exons	4058..4142, 4595..4713, 5513..5632, 5849..5919, 6337..6484		
GI Descrip.	(AP001080) EST C26994(C50622) corresponds to a region of the predicted gene.; Similar to ADP-ribosylation factor. (D17760) [Oryza sativa]		

Seq. No.	30248	Seq. ID	OJ990429_21.9922.C3
Gene No.	62526	Strand	-
Start	3655	End	12059
Name	OJ990429_21.9922.C3.o2.tw	Method	TBLASTX:Wheat
Start	4061	End	5596
GI	none	Score	112
Exons	4061..4141, 4062..4142, 4063..4143, 4072..4143, 4568..4714, 4580..4714, 4591..4716, 4593..4715, 4594..4716, 5495..5596, 5513..5596		

Seq. No.	30248	Seq. ID	OJ990429_21.9922.C3
Gene No.	62526	Strand	-
Start	3655	End	12059
Name	OJ990429_21.9922.C3.o4.ts	Method	TBLASTX:Soybean
Start	4061	End	4716
GI	none	Score	108
Exons	4061..4141, 4062..4142, 4592..4714, 4592..4714, 4593..4715, 4594..4716		

Seq. No.	30248	Seq. ID	OJ990429_21.9922.C3
Gene No.	62526	Strand	-
Start	3655	End	12059
Name	OJ990429_21.9922.C3.o3.tm	Method	TBLASTX:Maize
Start	4061	End	6497
GI	none	Score	133

Exons	4061..4141, 4062..4142, 4568..4714, 4592..4714, 4594..4716, 5495..5635, 5513..5635, 5583..5639, 5843..5971, 5850..5921, 6311..6496, 6312..6497		
Seq. No.	30248	Seq. ID	OJ990429_21.9922.C3
Gene No.	62526	Strand	-
Start	3655	End	12059
Name	OJ990429_21.9922.C3.o3.gp	Method	AAT/GAP
Start	5442	End	7637
GI	18316_1.R1084	Score	692
Exons	5442..5632, 5849..5919, 6337..6505, 7541..7637		
GI Descrip.	'1351974/sp|P49076|ARF_MAIZE 3.0e-59 ADP-RIBOSYLATION FACTOR >gi_1076788_pir__S49325 ADP-ribosylation factor - maize >gi_1076789_pir__S53486 ADP-ribosylation factor - maize >gi_556686_emb_CAA56351_ (X80042) ADP-ribosylation factor [Zea mays]'		
Seq. No.	30248	Seq. ID	OJ990429_21.9922.C3
Gene No.	62526	Strand	-
Start	3655	End	12059
Name	OJ990429_21.9922.C3.o2.ts	Method	TBLASTX:Soybean
Start	5531	End	6509
GI	none	Score	80
Exons	5531..5635, 5546..5635, 5583..5639, 5839..5919, 5840..5920, 5843..5971, 5850..5921, 6311..6490, 6312..6509, 6345..6491		
Seq. No.	30248	Seq. ID	OJ990429_21.9922.C3
Gene No.	62526	Strand	-
Start	3655	End	12059
Name	OJ990429_21.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	5598	End	6487
GI	none	Score	64
Exons	5598..5639, 5600..5635, 5839..5919, 5843..5971, 5850..5921, 6311..6487, 6312..6485, 6341..6487		
Seq. No.	30248	Seq. ID	OJ990429_21.9922.C3
Gene No.	62526	Strand	-
Start	3655	End	12059
Name	OJ990429_21.9922.C3.o3.tc	Method	TBLASTX:Cress
Start	6319	End	6532
GI	none	Score	165
Exons	6319..6402, 6332..6529, 6336..6485, 6347..6532		
Seq. No.	30248	Seq. ID	OJ990429_21.9922.C3
Gene No.	62526	Strand	-
Start	3655	End	12059
Name	OJ990429_21.9922.C3.o4.gp	Method	AAT/GAP
Start	8493	End	9223
GI	5003484	Score	1406
Exons	8493..9223		
Seq. No.	30248	Seq. ID	OJ990429_21.9922.C3
Gene No.	62526	Strand	-
Start	3655	End	12059
Name	OJ990429_21.9922.C3.o2.tm	Method	TBLASTX:Maize
Start	9139	End	12055
GI	none	Score	66

Exons	9139..9246, 9140..9247, 9177..9248, 9196..9249, 9368..9457, 9370..9447, 9599..9703, 9617..9787, 9618..9788, 9619..9786, 9737..9820, 9868..10041, 9874..9999, 9999..10031, 10042..10122, 10043..10123, 10225..10317, 10225..10317, 10376..10462, 10397..10468, 10546..10626, 10558..10623, 11697..11759, 11702..11761, 11702..11758, 11888..11911, 11888..12055, 11889..12038		

Seq. No.	30248	Seq. ID	OJ990429_21.9922.C3
Gene No.	62526	Strand	-
Start	3655	End	12059
Name	OJ990429_21.9922.C3.o3.np	Method	AAT/NAP
Start	9148	End	12059
GI	6815061	Score	1331
Exons	9148..9244, 9368..9446, 9619..9788, 9875..9987, 10054..10122, 10233..10316, 10403..10459, 10558..10620, 11702..11758, 11888..12059		
GI Descrip.	(AP001080) ESTs AU068633(C30614),AU068634(C30614) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana unknown protein. (AF049236) [Oryza sativa]		

Seq. No.	30248	Seq. ID	OJ990429_21.9922.C3
Gene No.	62526	Strand	-
Start	3655	End	12059
Name	OJ990429_21.9922.C3.o2.tc	Method	TBLASTX:Cress
Start	9677	End	10466
GI	none	Score	84
Exons	9677..9784, 9874..9891, 9937..9987, 10051..10122, 10224..10319, 10228..10317, 10403..10459, 10422..10466		

Seq. No.	30248	Seq. ID	OJ990429_21.9922.C3
Gene No.	62526	Strand	-
Start	3655	End	12059
Name	OJ990429_21.9922.C3.o3.ts	Method	TBLASTX:Soybean
Start	9680	End	9990
GI	none	Score	66
Exons	9680..9787, 9681..9785, 9872..9988, 9874..9987, 9877..9990		

Seq. No.	30249	Seq. ID	OJ990429_21.9922.C4
Gene No.	62527	Strand	+
Start	181	End	1781
Name	OJ990429_21.9922.C4.o1.gs	Method	GENSCAN
Start	181	End	1781
GI	none	Score	.71
Exons	181..342, 692..915, 941..1120, 1451..1558, 1572..1781		

Seq. No.	30249	Seq. ID	OJ990429_21.9922.C4
Gene No.	62528	Strand	+
Start	19833	End	24343
Name	OJ990429_21.9922.C4.o4.gs	Method	GENSCAN
Start	19833	End	24343
GI	none	Score	.63
Exons	19833..20022, 24135..24343		

Seq. No.	30249	Seq. ID	OJ990429_21.9922.C4
Gene No.	62529	Strand	+
Start	24970	End	25387

Name	OJ990429_21.9922.C4.o4.np	Method	AAT/NAP
Start	24970	End	25384
GI	6815064	Score	624
Exons	24970..25032, 25085..25384		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	30249	Seq. ID	OJ990429_21.9922.C4
Gene No.	62529	Strand	+
Start	24970	End	25387
Name	OJ990429_21.9922.C4.o5.gs	Method	GENSCAN
Start	24970	End	25387
GI	none	Score	.84
Exons	24970..25032, 25085..25387		

Seq. No.	30249	Seq. ID	OJ990429_21.9922.C4
Gene No.	62530	Strand	-
Start	1	End	164
Name	OJ990429_21.9922.C4.o1.np	Method	AAT/NAP
Start	1	End	164
GI	6815061	Score	259
Exons	1..164		
GI Descrip.	(AP001080) ESTs AU068633(C30614),AU068634(C30614) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana unknown protein. (AF049236) [Oryza sativa]		

Seq. No.	30249	Seq. ID	OJ990429_21.9922.C4
Gene No.	62531	Strand	-
Start	893	End	13659
Name	OJ990429_21.9922.C4.o2.np	Method	AAT/NAP
Start	893	End	5832
GI	6815062	Score	6314
Exons	893..1146, 1445..1784, 1862..1960, 2042..2387, 2431..2636, 2729..2920, 2997..3394, 3489..3759, 4031..4103, 4322..5832		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	30249	Seq. ID	OJ990429_21.9922.C4
Gene No.	62531	Strand	-
Start	893	End	13659
Name	OJ990429_21.9922.C4.o2.gs	Method	GENSCAN
Start	1841	End	13659
GI	none	Score	.55
Exons	1841..1960, 2042..2336, 2548..2636, 2729..2920, 2997..3394, 3489..3759, 4031..4103, 4322..5777, 6467..6577, 6656..6824, 12796..12877, 13616..13659		

Seq. No.	30249	Seq. ID	OJ990429_21.9922.C4
Gene No.	62532	Strand	-
Start	15502	End	16353
Name	OJ990429_21.9922.C4.o3.np	Method	AAT/NAP
Start	15502	End	16353
GI	6815063	Score	644
Exons	15502..15549, 15884..16119, 16242..16353		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	30249	Seq. ID	OJ990429_21.9922.C4

Gene No.	62533	Strand	-
Start	26696	End	27028
Name	OJ990429_21.9922.C4.o6.gs	Method	GENSCAN
Start	26696	End	27028
GI	none	Score	.67
Exons	26696..27028		

Seq. No.	30249	Seq. ID	OJ990429_21.9922.C4
Gene No.	62533	Strand	-
Start	26696	End	27028
Name	OJ990429_21.9922.C4.o5.np	Method	AAT/NAP
Start	26699	End	27028
GI	6815065	Score	592
Exons	26699..27028		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	30249	Seq. ID	OJ990429_21.9922.C4
Gene No.	62534	Strand	-
Start	29672	End	30002
Name	OJ990429_21.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	2042	End	3165
GI	none	Score	67
Exons	2042..2338, 2430..2456, 2463..2630, 2463..2630, 2711..2788, 2798..2839, 2861..2932, 2994..3164, 3001..3165		

Seq. No.	30249	Seq. ID	OJ990429_21.9922.C4
Gene No.	62534	Strand	-
Start	29672	End	30002
Name	OJ990429_21.9922.C4.o3.tm	Method	TBLASTX:Maize
Start	3168	End	3651
GI	none	Score	57
Exons	3168..3263, 3172..3267, 3273..3302, 3297..3404, 3319..3405, 3466..3651, 3473..3649		

Seq. No.	30249	Seq. ID	OJ990429_21.9922.C4
Gene No.	62534	Strand	-
Start	29672	End	30002
Name	OJ990429_21.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	5248	End	5791
GI	none	Score	39
Exons	5248..5613, 5268..5291, 5324..5614, 5632..5787, 5666..5791		

Seq. No.	30249	Seq. ID	OJ990429_21.9922.C4
Gene No.	62534	Strand	-
Start	29672	End	30002
Name	OJ990429_21.9922.C4.o7.gs	Method	GENSCAN
Start	29672	End	30001
GI	none	Score	.79
Exons	29672..30001		

Seq. No.	30249	Seq. ID	OJ990429_21.9922.C4
Gene No.	62534	Strand	-
Start	29672	End	30002
Name	OJ990429_21.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	29735	End	30002
GI	none	Score	157
Exons	29735..30001, 29736..30002		

Seq. No.	30249	Seq. ID	OJ990429_21.9922.C4
Gene No.	62534	Strand	-
Start	29672	End	30002
Name	OJ990429_21.9922.C4.o6.np	Method	AAT/NAP
Start	29741	End	29936
GI	6815066	Score	247
Exons	29741..29936		
GI Descrip.	(AP001080) EST C26866(C50282) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30250	Seq. ID	OJ990429_21.9922.C5
Gene No.	62535	Strand	+
Start	640	End	2974
Name	OJ990429_21.9922.C5.o1.gp	Method	AAT/GAP
Start	640	End	953
GI	none	Score	525
Exons	640..953		

Seq. No.	30250	Seq. ID	OJ990429_21.9922.C5
Gene No.	62535	Strand	+
Start	640	End	2974
Name	OJ990429_21.9922.C5.o1.gs	Method	GENSCAN
Start	772	End	2974
GI	none	Score	.74
Exons	772..921, 2655..2736, 2787..2974		

Seq. No.	30250	Seq. ID	OJ990429_21.9922.C5
Gene No.	62536	Strand	-
Start	1	End	863
Name	OJ990429_21.9922.C5.o1.np	Method	AAT/NAP
Start	1	End	863
GI	6815066	Score	304
Exons	1..67, 618..863		
GI Descrip.	(AP001080) EST C26866(C50282) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30250	Seq. ID	OJ990429_21.9922.C5
Gene No.	62537	Strand	-
Start	3939	End	5994
Name	OJ990429_21.9922.C5.o2.gp	Method	AAT/GAP
Start	3939	End	5509
GI	none	Score	1175
Exons	3939..4230, 5156..5509		

Seq. No.	30250	Seq. ID	OJ990429_21.9922.C5
Gene No.	62537	Strand	-
Start	3939	End	5994
Name	OJ990429_21.9922.C5.o2.tm	Method	TBLASTX:Maize
Start	4036	End	4284
GI	none	Score	129
Exons	4036..4056, 4051..4197, 4056..4199, 4077..4199, 4096..4212, 4186..4233, 4201..4284, 4202..4276		

Seq. No.	30250	Seq. ID	OJ990429_21.9922.C5
Gene No.	62537	Strand	-
Start	3939	End	5994

Name	OJ990429_21.9922.C5.o2.gs	Method	GENSCAN
Start	5156	End	5908
GI	none	Score	.73
Exons	5156..5908		

Seq. No.	30250	Seq. ID	OJ990429_21.9922.C5
Gene No.	62537	Strand	-
Start	3939	End	5994
Name	OJ990429_21.9922.C5.o2.np	Method	AAT/NAP
Start	5159	End	5994
GI	6815067	Score	1477
Exons	5159..5994		
GI Descrip.	(AP001080) ESTs AU082210(C53655),AU056546(S20671), AU056545(S20671) correspond to a region of the predicted gene.; Similar to putative RNA-binding protein (AC004261) [Oryza sativa]		

Seq. No.	30250	Seq. ID	OJ990429_21.9922.C5
Gene No.	62537	Strand	-
Start	3939	End	5994
Name	OJ990429_21.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	5433	End	5975
GI	none	Score	35
Exons	5433..5495, 5506..5820, 5559..5828, 5579..5845, 5580..5849, 5912..5974, 5913..5975		

Seq. No.	30250	Seq. ID	OJ990429_21.9922.C5
Gene No.	62537	Strand	-
Start	3939	End	5994
Name	OJ990429_21.9922.C5.o1.tc	Method	TBLASTX:Cress
Start	5579	End	5992
GI	none	Score	300
Exons	5579..5842, 5580..5843, 5591..5845, 5591..5842, 5609..5782, 5703..5831, 5921..5992, 5922..5981		

Seq. No.	30250	Seq. ID	OJ990429_21.9922.C5
Gene No.	62537	Strand	-
Start	3939	End	5994
Name	OJ990429_21.9922.C5.o1.ts	Method	TBLASTX:Soybean
Start	5579	End	5993
GI	none	Score	295
Exons	5579..5845, 5592..5849, 5676..5843, 5678..5830, 5921..5992, 5922..5993		

Seq. No.	30250	Seq. ID	OJ990429_21.9922.C5
Gene No.	62537	Strand	-
Start	3939	End	5994
Name	OJ990429_21.9922.C5.o3.gp	Method	AAT/GAP
Start	5663	End	5994
GI	7329_1.R1084	Score	601
Exons	5663..5994		
GI Descrip.	'3402711 2.0e-33 (AC004261) putative RNA-binding protein [Arabidopsis thaliana]'		

Seq. No.	30251	Seq. ID	OJ990429_21.9922.C6
Gene No.	62538	Strand	-
Start	1	End	210

Name	OJ990429_21.9922.C6.o1.gp	Method	AAT/GAP
Start	1	End	164
GI	none	Score	271
Exons	1..164		

Seq. No.	30251	Seq. ID	OJ990429_21.9922.C6
Gene No.	62538	Strand	-
Start	1	End	210
Name	OJ990429_21.9922.C6.o1.np	Method	AAT/NAP
Start	1	End	210
GI	81286	Score	68
Exons	1..210		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	30251	Seq. ID	OJ990429_21.9922.C6
Gene No.	62539	Strand	-
Start	2267	End	2495
Name	OJ990429_21.9922.C6.o2.gp	Method	AAT/GAP
Start	1031	End	1187
GI	2798499	Score	212
Exons	1031..1187		

Seq. No.	30251	Seq. ID	OJ990429_21.9922.C6
Gene No.	62539	Strand	-
Start	2267	End	2495
Name	OJ990429_21.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	1194	End	2479
GI	none	Score	105
Exons	1194..1301, 1195..1302, 1196..1303, 1197..1325, 2294..2479, 2333..2479		

Seq. No.	30251	Seq. ID	OJ990429_21.9922.C6
Gene No.	62539	Strand	-
Start	2267	End	2495
Name	OJ990429_21.9922.C6.o2.np	Method	AAT/NAP
Start	1202	End	2495
GI	6815068	Score	401
Exons	1202..1302, 2335..2495		
GI Descrip.	(AP001080) Similar to putative translin (AC006836) [Oryza sativa]		

Seq. No.	30251	Seq. ID	OJ990429_21.9922.C6
Gene No.	62539	Strand	-
Start	2267	End	2495
Name	OJ990429_21.9922.C6.o1.gs	Method	GENSCAN
Start	2267	End	2429
GI	none	Score	.46
Exons	2267..2429		

Seq. No.	30252	Seq. ID	OJ990429_21.9922.C7
Gene No.	62540	Strand	+
Start	5879	End	7997
Name	OJ990429_21.9922.C7.o2.np	Method	AAT/NAP
Start	5879	End	7997
GI	6815069	Score	1555
Exons	5879..6037, 7196..7754, 7844..7997		

GI Descrip. (AP001080) Similar to KIAA0731 protein (AB018274) [Oryza sativa]

Seq. No.	30252	Seq. ID	OJ990429_21.9922.C7
Gene No.	62541	Strand	-
Start	1	End	7552
Name	OJ990429_21.9922.C7.o1.np	Method	AAT/NAP
Start	1	End	2110
GI	6815068	Score	974
Exons	1..170, 252..393, 1020..1099, 1728..1864, 1951..2110		
GI Descrip.	(AP001080) Similar to putative translin (AC006836) [Oryza sativa]		

Seq. No.	30252	Seq. ID	OJ990429_21.9922.C7
Gene No.	62541	Strand	-
Start	1	End	7552
Name	OJ990429_21.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	18	End	1886
GI	none	Score	184
Exons	18..176, 20..169, 235..396, 249..395, 1019..1099, 1022..1111, 1728..1772, 1729..1773, 1729..1773, 1830..1886		

Seq. No.	30252	Seq. ID	OJ990429_21.9922.C7
Gene No.	62541	Strand	-
Start	1	End	7552
Name	OJ990429_21.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	31	End	1099
GI	none	Score	83
Exons	31..168, 33..170, 235..396, 249..395, 1019..1099, 1026..1097		

Seq. No.	30252	Seq. ID	OJ990429_21.9922.C7
Gene No.	62541	Strand	-
Start	1	End	7552
Name	OJ990429_21.9922.C7.o1.gs	Method	GENSCAN
Start	171	End	7552
GI	none	Score	.61
Exons	171..210, 252..393, 1428..1525, 1728..1864, 3588..3642, 3914..3946, 4146..4182, 5600..6172, 7407..7552		

Seq. No.	30252	Seq. ID	OJ990429_21.9922.C7
Gene No.	62542	Strand	
Start	7501	End	8002
Name	OJ990429_21.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	7501	End	8002
GI	none	Score	110
Exons	7501..7572, 7502..7573, 7502..7573, 7563..7754, 7570..7755, 7570..7755, 7571..7756, 7837..7929, 7838..7927, 7897..7956, 7922..8002, 7954..7992		

Seq. No.	30253	Seq. ID	OJ990429_21.9922.C8
Gene No.	62543	Strand	+
Start	245	End	5902
Name	OJ990429_21.9922.C8.o1.gs	Method	GENSCAN
Start	245	End	5902
GI	none	Score	.88
Exons	245..513, 887..977, 1134..1205, 1291..1802, 2266..2335, 2926..2991, 3678..3982, 4278..4418, 5081..5185, 5722..5902		

Seq. No.	30253	Seq. ID	OJ990429_21.9922.C8
Gene No.	62543	Strand	+
Start	245	End	5902
Name	OJ990429_21.9922.C8.o1.np	Method	AAT/NAP
Start	350	End	5899
GI	6815069	Score	3036
Exons	350..513, 887..977, 1134..1205, 1291..1802, 2266..2335, 2926..2991, 3678..3982, 4278..4418, 4553..4616, 4841..4986, 5081..5185, 5722..5899		
GI Descrip.	(AP001080) Similar to KIAA0731 protein (AB018274) [Oryza sativa]		

Seq. No.	30253	Seq. ID	OJ990429_21.9922.C8
Gene No.	62544	Strand	+
Start	10567	End	10829
Name	OJ990429_21.9922.C8.o2.np	Method	AAT/NAP
Start	10567	End	10829
GI	6815070	Score	423
Exons	10567..10829		
GI Descrip.	(AP001080) EST AU070319(S10788) corresponds to a region of the predicted gene.; Similar to RING-H2 finger protein RHA2b (AC006200) [Oryza sativa]		

Seq. No.	30253	Seq. ID	OJ990429_21.9922.C8
Gene No.	62545	Strand	-
Start	6371	End	6534
Name	OJ990429_21.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	1510	End	5178
GI	none	Score	52
Exons	1510..1578, 1513..1572, 1586..1627, 1656..1721, 1709..1789, 1730..1783, 2932..2991, 3667..3882, 3689..3889, 3689..3886, 3690..3890, 3885..3980, 3895..3981, 3905..3985, 3911..3976, 4277..4420, 4279..4422, 4296..4421, 4537..4614, 4550..4615, 4551..4616, 4820..4993, 4842..4985, 4843..4992, 5076..5177, 5085..5177, 5085..5177, 5086..5178, 5086..5178		

Seq. No.	30253	Seq. ID	OJ990429_21.9922.C8
Gene No.	62545	Strand	-
Start	6371	End	6534
Name	OJ990429_21.9922.C8.o1.tc	Method	TBLASTX:Cress
Start	3912	End	5833
GI	none	Score	69
Exons	3912..3971, 4326..4421, 4327..4419, 4551..4616, 4820..5008, 4834..5001, 4844..4990, 5076..5192, 5076..5186, 5732..5833, 5755..5826		

Seq. No.	30253	Seq. ID	OJ990429_21.9922.C8
Gene No.	62545	Strand	-
Start	6371	End	6534
Name	OJ990429_21.9922.C8.o1.ts	Method	TBLASTX:Soybean
Start	4305	End	5833
GI	none	Score	80
Exons	4305..4400, 4305..4421, 4306..4419, 4551..4616, 4823..4990, 4834..5004, 4838..4993, 5064..5192, 5076..5192, 5756..5833		

Seq. No.	30253	Seq. ID	OJ990429_21.9922.C8
Gene No.	62545	Strand	-
Start	6371	End	6534

Name	OJ990429_21.9922.C8.o2.tm	Method	TBLASTX:Maize
Start	5723	End	6171
GI	none	Score	156
Exons	5723..5863, 5731..5826, 5853..5981, 5923..5967, 5971..6030, 6004..6069, 6005..6064, 6100..6171, 6105..6170		

Seq. No.	30253	Seq. ID	OJ990429_21.9922.C8
Gene No.	62545	Strand	-
Start	6371	End	6534
Name	OJ990429_21.9922.C8.o2.gs	Method	GENSCAN
Start	6371	End	6534
GI	none	Score	.56
Exons	6371..6534		

Seq. No.	30254	Seq. ID	OJ990429_21.9922.C9
Gene No.	62546	Strand	+
Start	1	End	303
Name	OJ990429_21.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	300
GI	6815070	Score	560
Exons	1..300		
GI Descrip.	(AP001080) EST AU070319(S10788) corresponds to a region of the predicted gene.; Similar to RING-H2 finger protein RHA2b (AC006200) [Oryza sativa]		

Seq. No.	30254	Seq. ID	OJ990429_21.9922.C9
Gene No.	62546	Strand	+
Start	1	End	303
Name	OJ990429_21.9922.C9.o1.gs	Method	GENSCAN
Start	162	End	303
GI	none	Score	.68
Exons	162..303		

Seq. No.	30254	Seq. ID	OJ990429_21.9922.C9
Gene No.	62547	Strand	+
Start	275	End	665
Name	OJ990429_21.9922.C9.o1.gp	Method	AAT/GAP
Start	275	End	665
GI	5005157	Score	702
Exons	275..665		

Seq. No.	30255	Seq. ID	OJ990429_21.9922.C10
Gene No.	62548	Strand	+
Start	3620	End	16560
Name	OJ990429_21.9922.C10.o1.gp	Method	AAT/GAP
Start	3565	End	3743
GI	15870_2.R1084	Score	256
Exons	3565..3743		
GI Descrip.	'287403/dbj|D10838|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		

Seq. No.	30255	Seq. ID	OJ990429_21.9922.C10
Gene No.	62548	Strand	+
Start	3620	End	16560
Name	OJ990429_21.9922.C10.o2.gs	Method	GENSCAN
Start	3620	End	16560
GI	none	Score	.53

Exons	3620..3658, 4708..4882, 5921..6049, 6254..6334, 6435..6584, 6660..6713, 7033..7145, 7243..7585, 7694..8401, 8506..8792, 9093..10445, 10463..11140, 13282..13375, 15725..15876, 16048..16105, 16469..16560		

Seq. No.	30255	Seq. ID	OJ990429_21.9922.C10
Gene No.	62548	Strand	+
Start	3620	End	16560
Name	OJ990429_21.9922.C10.o2.np	Method	AAT/NAP
Start	6455	End	11383
GI	6815072	Score	6482
Exons	6455..6584, 6660..6713, 7033..7145, 7243..7585, 7694..8401, 8506..8792, 9192..11383		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	30255	Seq. ID	OJ990429_21.9922.C10
Gene No.	62549	Strand	-
Start	846	End	2016
Name	OJ990429_21.9922.C10.o1.np	Method	AAT/NAP
Start	561	End	1411
GI	6815071	Score	269
Exons	561..698, 1382..1411		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	30255	Seq. ID	OJ990429_21.9922.C10
Gene No.	62549	Strand	-
Start	846	End	2016
Name	OJ990429_21.9922.C10.o1.gs	Method	GENSCAN
Start	846	End	2016
GI	none	Score	.58
Exons	846..901, 1382..1483, 1974..2016		

Seq. No.	30255	Seq. ID	OJ990429_21.9922.C10
Gene No.	62550	Strand	-
Start	17320	End	18412
Name	OJ990429_21.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	7327	End	7842
GI	none	Score	69
Exons	7327..7380, 7396..7464, 7495..7842, 7785..7841		

Seq. No.	30255	Seq. ID	OJ990429_21.9922.C10
Gene No.	62550	Strand	-
Start	17320	End	18412
Name	OJ990429_21.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	8073	End	8567
GI	none	Score	133
Exons	8073..8153, 8122..8277, 8151..8240, 8287..8400, 8505..8567		

Seq. No.	30255	Seq. ID	OJ990429_21.9922.C10
Gene No.	62550	Strand	-
Start	17320	End	18412
Name	OJ990429_21.9922.C10.o3.tm	Method	TBLASTX:Maize
Start	10212	End	10579
GI	none	Score	152
Exons	10212..10403, 10229..10399, 10415..10579		

Seq. No.	30255	Seq. ID	OJ990429_21.9922.C10
Gene No.	62550	Strand	-
Start	17320	End	18412
Name	OJ990429_21.9922.C10.o4.tm	Method	TBLASTX:Maize
Start	10883	End	11182
GI	none	Score	112
Exons	10883..10987, 10982..11083, 11093..11182		

Seq. No.	30255	Seq. ID	OJ990429_21.9922.C10
Gene No.	62550	Strand	-
Start	17320	End	18412
Name	OJ990429_21.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	11108	End	11290
GI	none	Score	214
Exons	11108..11290, 11110..11289		

Seq. No.	30255	Seq. ID	OJ990429_21.9922.C10
Gene No.	62550	Strand	-
Start	17320	End	18412
Name	OJ990429_21.9922.C10.o3.gs	Method	GENSCAN
Start	17320	End	18412
GI	none	Score	.7
Exons	17320..17594, 17940..17991, 18067..18412		

Seq. No.	30255	Seq. ID	OJ990429_21.9922.C10
Gene No.	62550	Strand	-
Start	17320	End	18412
Name	OJ990429_21.9922.C10.o3.np	Method	AAT/NAP
Start	17323	End	18412
GI	6630681	Score	1104
Exons	17323..17594, 17940..17991, 18067..18412		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6815073|dbj|BAA90360.1| (AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	30256	Seq. ID	OJ990429_21.9922.C11
Gene No.	62551	Strand	+
Start	268	End	1102
Name	OJ990429_21.9922.C11.o1.gs	Method	GENSCAN
Start	268	End	1102
GI	none	Score	.55
Exons	268..343, 960..1102		

Seq. No.	30257	Seq. ID	OJ990429_21.9922.C12
Gene No.	62552	Strand	+
Start	1	End	2862
Name	OJ990429_21.9922.C12.o1.np	Method	AAT/NAP
Start	1	End	2696
GI	6630682	Score	1043
Exons	1..31, 252..479, 2302..2696		
GI Descrip.	(AP000969) EST D22716(C1010) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815074|dbj|BAA90361.1| (AP001080) EST D22716(C1010) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30257	Seq. ID	OJ990429_21.9922.C12

Gene No.	62552	Strand	+
Start	1	End	2862
Name	OJ990429_21.9922.C12.o1.gs	Method	GENSCAN
Start	253	End	601
GI	none	Score	.82
Exons	253..479, 497..601		

Seq. No.	30257	Seq. ID	OJ990429_21.9922.C12
Gene No.	62552	Strand	+
Start	1	End	2862
Name	OJ990429_21.9922.C12.o1.gp	Method	AAT/GAP
Start	2307	End	2862
GI	none	Score	975
Exons	2307..2862		

Seq. No.	30257	Seq. ID	OJ990429_21.9922.C12
Gene No.	62553	Strand	-
Start	2298	End	9520
Name	OJ990429_21.9922.C12.o2.gs	Method	GENSCAN
Start	2298	End	4655
GI	none	Score	.64
Exons	2298..2717, 2988..3121, 3398..3481, 3811..3886, 4277..4438, 4566..4655		

Seq. No.	30257	Seq. ID	OJ990429_21.9922.C12
Gene No.	62553	Strand	-
Start	2298	End	9520
Name	OJ990429_21.9922.C12.o2.gp	Method	AAT/GAP
Start	3023	End	3411
GI	none	Score	725
Exons	3023..3411		

Seq. No.	30257	Seq. ID	OJ990429_21.9922.C12
Gene No.	62553	Strand	-
Start	2298	End	9520
Name	OJ990429_21.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	3168	End	5263
GI	none	Score	119
Exons	3168..3284, 3169..3285, 3387..3482, 3393..3482, 3398..3484, 3398..3484, 4275..4439, 4275..4436, 4277..4438, 5025..5132, 5027..5185, 5027..5185, 5216..5263, 5223..5261		

Seq. No.	30257	Seq. ID	OJ990429_21.9922.C12
Gene No.	62553	Strand	-
Start	2298	End	9520
Name	OJ990429_21.9922.C12.o2.np	Method	AAT/NAP
Start	3177	End	5790
GI	6630683	Score	1442
Exons	3177..3281, 3398..3481, 4277..4438, 5030..5350, 5438..5662, 5761..5790		
GI Descrip.	(AP000969) EST C25991(C11435) corresponds to a region of the predicted gene.; Similar to similar to PHZF, catalyzing the hydroxylation of phenazine-1-carboxylic acid to 2-hydroxy-phenazine-1-carboxylic acid. (AC004044) [Oryza... gi|6815075|dbj|BAA90362.1| (AP001080) EST C25991(C11435) corresponds to a region of the predicted gene.; Similar to similar to PHZF, catalyzing		

Seq. No.	30257	Seq. ID	OJ990429_21.9922.C12
Gene No.	62553	Strand	-
Start	2298	End	9520
Name	OJ990429_21.9922.C12.o1.ts	Method	TBLASTX:Soybean
Start	3398	End	5668
GI	none	Score	70
Exons	3398..3484, 3420..3482, 4275..4445, 4277..4438, 5024..5161, 5216..5263, 5291..5353, 5435..5473, 5513..5572, 5603..5668		

Seq. No.	30257	Seq. ID	OJ990429_21.9922.C12
Gene No.	62553	Strand	-
Start	2298	End	9520
Name	OJ990429_21.9922.C12.o3.gs	Method	GENSCAN
Start	5006	End	9443
GI	none	Score	.84
Exons	5006..5662, 5692..5838, 6858..6942, 7872..7966, 8529..8687, 8942..9018, 9218..9443		

Seq. No.	30257	Seq. ID	OJ990429_21.9922.C12
Gene No.	62553	Strand	-
Start	2298	End	9520
Name	OJ990429_21.9922.C12.o1.tw	Method	TBLASTX:Wheat
Start	5025	End	5353
GI	none	Score	97
Exons	5025..5120, 5027..5119, 5118..5183, 5122..5178, 5216..5260, 5223..5264, 5283..5342, 5291..5353		

Seq. No.	30257	Seq. ID	OJ990429_21.9922.C12
Gene No.	62553	Strand	-
Start	2298	End	9520
Name	OJ990429_21.9922.C12.o2.tc	Method	TBLASTX:Cress
Start	5225	End	5662
GI	none	Score	82
Exons	5225..5260, 5291..5353, 5435..5473, 5519..5569, 5603..5662		

Seq. No.	30257	Seq. ID	OJ990429_21.9922.C12
Gene No.	62553	Strand	-
Start	2298	End	9520
Name	OJ990429_21.9922.C12.o2.tm	Method	TBLASTX:Maize
Start	5304	End	5791
GI	none	Score	75
Exons	5304..5390, 5304..5339, 5306..5353, 5405..5470, 5406..5456, 5513..5572, 5523..5570, 5563..5598, 5564..5599, 5603..5662, 5625..5705, 5765..5791		

Seq. No.	30257	Seq. ID	OJ990429_21.9922.C12
Gene No.	62553	Strand	-
Start	2298	End	9520
Name	OJ990429_21.9922.C12.o3.gp	Method	AAT/GAP
Start	5490	End	5857
GI	2309836	Score	463
Exons	5490..5662, 5761..5857		

Seq. No.	30257	Seq. ID	OJ990429_21.9922.C12
Gene No.	62553	Strand	-
Start	2298	End	9520

Name	OJ990429_21.9922.C12.o4.gp	Method	AAT/GAP
Start	6679	End	9460
GI	none	Score	934
Exons	6679..6942, 7872..7966, 8529..8687, 9414..9460		

Seq. No.	30257	Seq. ID	OJ990429_21.9922.C12
Gene No.	62553	Strand	-
Start	2298	End	9520
Name	OJ990429_21.9922.C12.o2.ts	Method	TBLASTX:Soybean
Start	6834	End	8688
GI	none	Score	120
Exons	6834..6944, 6838..6945, 7871..7966, 7880..7972, 8517..8687, 8526..8687, 8530..8688		

Seq. No.	30257	Seq. ID	OJ990429_21.9922.C12
Gene No.	62553	Strand	-
Start	2298	End	9520
Name	OJ990429_21.9922.C12.o1.tc	Method	TBLASTX:Cress
Start	6837	End	8688
GI	none	Score	115
Exons	6837..6944, 6841..6945, 7871..7966, 7889..7972, 7890..7967, 8517..8687, 8530..8688		

Seq. No.	30257	Seq. ID	OJ990429_21.9922.C12
Gene No.	62553	Strand	-
Start	2298	End	9520
Name	OJ990429_21.9922.C12.o3.np	Method	AAT/NAP
Start	6840	End	9520
GI	6630684	Score	563
Exons	6840..6942, 7872..7966, 8529..8687, 9414..9520		
GI Descrip.	(AP000969) ESTs AU070430(S15424), AU082086(E11580) correspond to a region of the predicted gene.; Similar to MF1. (AB011804) [Oryza sativa] gi|6815076|dbj|BAA90363.1| (AP001080) ESTs AU070430(S15424),AU082086(E11580) correspond to a region of the predicted gene.; Similar to MF1. (AB011804) [Oryza sativa]		

Seq. No.	30258	Seq. ID	OJ990429_21.9922.C13
Gene No.	62554	Strand	+
Start	7417	End	7661
Name	OJ990429_21.9922.C13.o3.np	Method	AAT/NAP
Start	7417	End	7661
GI	5902446	Score	278
Exons	7417..7661		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	30258	Seq. ID	OJ990429_21.9922.C13
Gene No.	62555	Strand	-
Start	2429	End	7372
Name	OJ990429_21.9922.C13.o1.gs	Method	GENSCAN
Start	2429	End	7372
GI	none	Score	.48
Exons	2429..2571, 3871..6571, 6862..7005, 7043..7372		

Seq. No.	30258	Seq. ID	OJ990429_21.9922.C13
Gene No.	62555	Strand	-
Start	2429	End	7372
Name	OJ990429_21.9922.C13.o1.tm	Method	TBLASTX:Maize

Start	3774	End	4498
GI	none	Score	607
Exons	3774..4007, 3801..4490, 3827..4498, 4042..4491		

Seq. No.	30258	Seq. ID	OJ990429_21.9922.C13
Gene No.	62555	Strand	-
Start	2429	End	7372
Name	OJ990429_21.9922.C13.o1.np	Method	AAT/NAP
Start	3824	End	6933
GI	6630685	Score	4917
Exons	3824..6571, 6862..6933		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	30258	Seq. ID	OJ990429_21.9922.C13
Gene No.	62555	Strand	-
Start	2429	End	7372
Name	OJ990429_21.9922.C13.o2.ts	Method	TBLASTX:Soybean
Start	3839	End	4480
GI	none	Score	39
Exons	3839..4072, 3987..4079, 4091..4480, 4092..4256, 4097..4291		

Seq. No.	30258	Seq. ID	OJ990429_21.9922.C13
Gene No.	62555	Strand	-
Start	2429	End	7372
Name	OJ990429_21.9922.C13.o2.tc	Method	TBLASTX:Cress
Start	3842	End	4297
GI	none	Score	82
Exons	3842..4054, 3894..4061, 4073..4207, 4211..4297		

Seq. No.	30258	Seq. ID	OJ990429_21.9922.C13
Gene No.	62555	Strand	-
Start	2429	End	7372
Name	OJ990429_21.9922.C13.o5.tw	Method	TBLASTX:Wheat
Start	3875	End	4342
GI	none	Score	58
Exons	3875..4063, 3888..4004, 4082..4342, 4107..4187		

Seq. No.	30258	Seq. ID	OJ990429_21.9922.C13
Gene No.	62555	Strand	-
Start	2429	End	7372
Name	OJ990429_21.9922.C13.o3.tm	Method	TBLASTX:Maize
Start	4613	End	5049
GI	none	Score	265
Exons	4613..5047, 4614..4883, 4642..5049		

Seq. No.	30258	Seq. ID	OJ990429_21.9922.C13
Gene No.	62555	Strand	-
Start	2429	End	7372
Name	OJ990429_21.9922.C13.o1.ts	Method	TBLASTX:Soybean
Start	4853	End	5458
GI	5509260	Score	239
Exons	4853..5233, 4935..5234, 5246..5458		
GI Descrip.	-		

Seq. No.	30258	Seq. ID	OJ990429_21.9922.C13
Gene No.	62555	Strand	-

Start	2429	End	7372
Name	OJ990429_21.9922.C13.o2.tw	Method	TBLASTX:Wheat
Start	4865	End	5317
GI	none	Score	232
Exons	4865..5212, 4879..5214, 4935..5210, 5073..5222, 5214..5240, 5246..5317		

Seq. No.	30258	Seq. ID	OJ990429_21.9922.C13
Gene No.	62555	Strand	-
Start	2429	End	7372
Name	OJ990429_21.9922.C13.o3.tc	Method	TBLASTX:Cress
Start	4970	End	5251
GI	none	Score	80
Exons	4970..5251, 5001..5171		

Seq. No.	30258	Seq. ID	OJ990429_21.9922.C13
Gene No.	62555	Strand	-
Start	2429	End	7372
Name	OJ990429_21.9922.C13.o5.tm	Method	TBLASTX:Maize
Start	5166	End	5485
GI	none	Score	352
Exons	5166..5483, 5166..5285, 5168..5485		

Seq. No.	30258	Seq. ID	OJ990429_21.9922.C13
Gene No.	62555	Strand	-
Start	2429	End	7372
Name	OJ990429_21.9922.C13.o2.tm	Method	TBLASTX:Maize
Start	5492	End	6364
GI	none	Score	45
Exons	5492..6292, 5574..5615, 5619..6359, 6293..6364		

Seq. No.	30258	Seq. ID	OJ990429_21.9922.C13
Gene No.	62555	Strand	-
Start	2429	End	7372
Name	OJ990429_21.9922.C13.o3.tw	Method	TBLASTX:Wheat
Start	5597	End	5941
GI	none	Score	43
Exons	5597..5677, 5597..5677, 5688..5852, 5699..5863, 5852..5941, 5865..5939		

Seq. No.	30258	Seq. ID	OJ990429_21.9922.C13
Gene No.	62555	Strand	-
Start	2429	End	7372
Name	OJ990429_21.9922.C13.o3.ts	Method	TBLASTX:Soybean
Start	5723	End	6184
GI	none	Score	166
Exons	5723..6184, 5874..6164		

Seq. No.	30258	Seq. ID	OJ990429_21.9922.C13
Gene No.	62555	Strand	-
Start	2429	End	7372
Name	OJ990429_21.9922.C13.o1.tc	Method	TBLASTX:Cress
Start	5726	End	6148
GI	none	Score	220
Exons	5726..6148		

Seq. No.	30258	Seq. ID	OJ990429_21.9922.C13

Gene No.	62555	Strand	-
Start	2429	End	7372
Name	OJ990429_21.9922.C13.o1.tw	Method	TBLASTX:Wheat
Start	6029	End	6591
GI	none	Score	165
Exons	6029..6313, 6030..6317, 6298..6342, 6324..6434, 6353..6535, 6369..6524, 6377..6535, 6529..6591		

Seq. No.	30258	Seq. ID	OJ990429_21.9922.C13
Gene No.	62555	Strand	-
Start	2429	End	7372
Name	OJ990429_21.9922.C13.o4.tm	Method	TBLASTX:Maize
Start	6365	End	6759
GI	none	Score	151
Exons	6365..6532, 6366..6524, 6448..6528, 6513..6632, 6515..6640, 6529..6633, 6640..6759, 6644..6751		

Seq. No.	30258	Seq. ID	OJ990429_21.9922.C13
Gene No.	62555	Strand	-
Start	2429	End	7372
Name	OJ990429_21.9922.C13.o4.tw	Method	TBLASTX:Wheat
Start	6667	End	6981
GI	none	Score	73
Exons	6667..6981, 6767..6895, 6940..6981		

Seq. No.	30258	Seq. ID	OJ990429_21.9922.C13
Gene No.	62555	Strand	-
Start	2429	End	7372
Name	OJ990429_21.9922.C13.o6.tm	Method	TBLASTX:Maize
Start	6760	End	7100
GI	none	Score	151
Exons	6760..7002, 6761..6997, 7022..7099, 7026..7100		

Seq. No.	30258	Seq. ID	OJ990429_21.9922.C13
Gene No.	62555	Strand	-
Start	2429	End	7372
Name	OJ990429_21.9922.C13.o2.np	Method	AAT/NAP
Start	7019	End	7193
GI	4416301	Score	118
Exons	7019..7193		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	30259	Seq. ID	OJ990429_21.9922.C14
Gene No.	62556	Strand	+
Start	280	End	419
Name	OJ990429_21.9922.C14.o1.gs	Method	GENSCAN
Start	280	End	405
GI	none	Score	.76
Exons	280..405		

Seq. No.	30259	Seq. ID	OJ990429_21.9922.C14
Gene No.	62556	Strand	+
Start	280	End	419
Name	OJ990429_21.9922.C14.o1.np	Method	AAT/NAP
Start	283	End	419
GI	6006359	Score	57
Exons	283..419		

GI Descrip. (AP000559) hypothetical protein [Oryza sativa]

Seq. No.	30260	Seq. ID	OJ990429_21.9922.C15
Gene No.	62557	Strand	-
Start	1	End	475
Name	OJ990429_21.9922.C15.o1.np	Method	AAT/NAP
Start	1	End	475
GI	3688173	Score	168
Exons	1..77, 194..302, 438..475		

GI Descrip. (AL031804) putative protein [Arabidopsis thaliana]

Seq. No.	30260	Seq. ID	OJ990429_21.9922.C15
Gene No.	62557	Strand	-
Start	1	End	475
Name	OJ990429_21.9922.C15.o1.tm	Method	TBLASTX:Maize
Start	1	End	309
GI	none	Score	61
Exons	1..78, 8..79, 180..305, 193..303, 193..309		

Seq. No.	30260	Seq. ID	OJ990429_21.9922.C15
Gene No.	62557	Strand	-
Start	1	End	475
Name	OJ990429_21.9922.C15.o1.ts	Method	TBLASTX:Soybean
Start	1	End	314
GI	none	Score	89
Exons	1..87, 5..85, 192..314, 193..303		

Seq. No.	30261	Seq. ID	OJ990429_21.9922.C16
Gene No.	62558	Strand	+
Start	1	End	347
Name	OJ990429_21.9922.C16.o1.np	Method	AAT/NAP
Start	1	End	347
GI	4490342	Score	125
Exons	1..82, 168..347		

GI Descrip. (AL035656) putative protein [Arabidopsis thaliana]

Seq. No.	30261	Seq. ID	OJ990429_21.9922.C16
Gene No.	62558	Strand	+
Start	1	End	347
Name	OJ990429_21.9922.C16.o1.tw	Method	TBLASTX:Wheat
Start	4	End	310
GI	none	Score	84
Exons	4..84, 4..75, 176..310		

Seq. No.	30261	Seq. ID	OJ990429_21.9922.C16
Gene No.	62558	Strand	+
Start	1	End	347
Name	OJ990429_21.9922.C16.o1.gs	Method	GENSCAN
Start	178	End	310
GI	none	Score	1
Exons	178..310		

Seq. No.	30262	Seq. ID	OJ990429_21.9922.C17
Gene No.	62559	Strand	+
Start	1	End	484
Name	OJ990429_21.9922.C17.o1.np	Method	AAT/NAP
Start	1	End	484

GI	5902445	Score	826
Exons	1..484		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	30262	Seq. ID	OJ990429_21.9922.C17
Gene No.	62559	Strand	+
Start	1	End	484
Name	OJ990429_21.9922.C17.o1.tw	Method	TBLASTX:Wheat
Start	41	End	400
GI	none	Score	300
Exons	41..400, 43..396		

Seq. No.	30262	Seq. ID	OJ990429_21.9922.C17
Gene No.	62559	Strand	+
Start	1	End	484
Name	OJ990429_21.9922.C17.o1.tm	Method	TBLASTX:Maize
Start	151	End	424
GI	none	Score	95
Exons	151..258, 152..250, 241..315,	245..328,	338..424

Seq. No.	30263	Seq. ID	OJ990429_21.9922.C20
Gene No.	62560	Strand	+
Start	105	End	422
Name	OJ990429_21.9922.C20.o1.gs	Method	GENSCAN
Start	105	End	422
GI	none	Score	.93
Exons	105..422		

Seq. No.	30264	Seq. ID	OJ990429_21.9922.C23
Gene No.	62561	Strand	+
Start	1	End	410
Name	OJ990429_21.9922.C23.o1.np	Method	AAT/NAP
Start	1	End	410
GI	5902445	Score	701
Exons	1..410		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	30264	Seq. ID	OJ990429_21.9922.C23
Gene No.	62561	Strand	+
Start	1	End	410
Name	OJ990429_21.9922.C23.o1.tw	Method	TBLASTX:Wheat
Start	1	End	316
GI	none	Score	363
Exons	1..315, 2..316		

Seq. No.	30264	Seq. ID	OJ990429_21.9922.C23
Gene No.	62561	Strand	+
Start	1	End	410
Name	OJ990429_21.9922.C23.o1.tm	Method	TBLASTX:Maize
Start	26	End	346
GI	none	Score	354
Exons	26..346, 31..336		

Seq. No.	30264	Seq. ID	OJ990429_21.9922.C23
Gene No.	62561	Strand	+
Start	1	End	410
Name	OJ990429_21.9922.C23.o1.gs	Method	GENSCAN

Start	177	End	383
GI	none	Score	.5
Exons	177..383		

Seq. No.	30265	Seq. ID	OJ990519_28.9924.C1
Gene No.	62562	Strand	-
Start	1	End	589
Name	OJ990519_28.9924.C1.o1.np	Method	AAT/NAP
Start	1	End	589
GI	131271	Score	982
Exons	1..589		
GI Descrip.	PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) gi|72705|pir||QJRZ6A photosystem II chlorophyll a-binding protein psbB - rice chloroplast gi|12013|emb|CAA33973| (X15901) PSII 47kDa protein [Oryza sativa] gi|226634|prf||1603356BH photosystem II 47kD protein [Oryza sativa]		

Seq. No.	30265	Seq. ID	OJ990519_28.9924.C1
Gene No.	62562	Strand	-
Start	1	End	589
Name	OJ990519_28.9924.C1.o1.tc	Method	TBLASTX:Cress
Start	2	End	431
GI	none	Score	52
Exons	2..46, 12..44, 15..431, 28..135, 51..431		

Seq. No.	30265	Seq. ID	OJ990519_28.9924.C1
Gene No.	62562	Strand	-
Start	1	End	589
Name	OJ990519_28.9924.C1.o1.gs	Method	GENSCAN
Start	150	End	386
GI	none	Score	.76
Exons	150..386		

Seq. No.	30265	Seq. ID	OJ990519_28.9924.C1
Gene No.	62562	Strand	-
Start	1	End	589
Name	OJ990519_28.9924.C1.o1.tm	Method	TBLASTX:Maize
Start	271	End	585
GI	none	Score	504
Exons	271..585, 273..584		

Seq. No.	30265	Seq. ID	OJ990519_28.9924.C1
Gene No.	62562	Strand	-
Start	1	End	589
Name	OJ990519_28.9924.C1.o1.ts	Method	TBLASTX:Soybean
Start	281	End	588
GI	none	Score	106
Exons	281..382, 281..586, 285..587, 285..587, 286..588		

Seq. No.	30265	Seq. ID	OJ990519_28.9924.C1
Gene No.	62562	Strand	-
Start	1	End	589
Name	OJ990519_28.9924.C1.o1.gp	Method	AAT/GAP
Start	324	End	589
GI	2896_1.R1084	Score	505
Exons	324..589		
GI Descrip.	'131271/sp|P12157|PSBB_ORYSA 2.0e-88 PHOTOSYSTEM II P680		

CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) >gi_72705_pir__QJRZ6A photosystem II chlorophyll a-binding protein psbB - rice chloroplast >gi_12013_emb_CAA33973_ (X15901) PSII 47kDa protein [Oryza sativa] >gi_226634_prf__1603356BH photosystem II 47kD protein [Oryza sativa]'

Seq. No.	30265	Seq. ID	OJ990519_28.9924.C1
Gene No.	62562	Strand	-
Start	1	End	589
Name	OJ990519_28.9924.C1.o1.tw	Method	TBLASTX:Wheat
Start	403	End	588
GI	none	Score	273
Exons	403..588, 404..586, 405..587		

Seq. No.	30265	Seq. ID	OJ990519_28.9924.C1
Gene No.	62562	Strand	-
Start	1	End	589
Name	OJ990519_28.9924.C1.o2.tc	Method	TBLASTX:Cress
Start	432	End	588
GI	none	Score	195
Exons	432..587, 433..588		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62563	Strand	+
Start	3017	End	4615
Name	OJ990519_28.9924.C2.o2.gp	Method	AAT/GAP
Start	2966	End	3695
GI	24824_1.R1084	Score	1375
Exons	2966..3695		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62563	Strand	+
Start	3017	End	4615
Name	OJ990519_28.9924.C2.o2.gs	Method	GENSCAN
Start	3017	End	4381
GI	none	Score	.86
Exons	3017..3206, 3261..4381		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62563	Strand	+
Start	3017	End	4615
Name	OJ990519_28.9924.C2.o3.np	Method	AAT/NAP
Start	3017	End	4446
GI	132005	Score	2516
Exons	3017..4446		
GI Descrip.	RIBULOSE BISPHOSPHATE CARBOXYLASE LARGE CHAIN PRECURSOR (RUBISCO LARGE SUBUNIT) gi|68145|pir||RKRZL ribulose-bisphosphate carboxylase (EC 4.1.1.39) large chain precursor - rice chloroplast gi|11992|emb|CAA34004| (X15901) rbcL; RuBisCO large subunit [Oryza sativa] gi|344017|dbj|BAA00147| (D00207) ribulose 1,5-bisphosphate carboxylase large subunit [Oryza sativa] gi|22		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62563	Strand	+

Start	3017	End	4615
Name	OJ990519_28.9924.C2.o3.gp	Method	AAT/GAP
Start	3792	End	4615
GI	14384_1.R1084	Score	1343
Exons	3792..4502, 4588..4615		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62564	Strand	+
Start	5475	End	5792
Name	OJ990519_28.9924.C2.o4.np	Method	AAT/NAP
Start	5475	End	5792
GI	140473	Score	557
Exons	5475..5792		
GI Descrip.	ACETYL-COENZYME A CARBOXYLASE CARBOXYL TRANSFERASE SUBUNIT BETA (ACCASE BETA CHAIN) gi|82516|pir||JQ0234 hypothetical 12.5K protein (rbcL-psaI intergenic region) - rice chloroplast gi|11995|emb|CAA33956| (X15901) ORF106 [Oryza sativa] gi|226616|prf||1603356AN ORF 106 [Oryza sativa]		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62565	Strand	+
Start	6059	End	6485
Name	OJ990519_28.9924.C2.o4.gp	Method	AAT/GAP
Start	6059	End	6485
GI	7528_1.R1084	Score	806
Exons	6059..6485		
GI Descrip.	'131205/sp|P12186|PSAI_ORYSA 9.0e-13 PHOTOSYSTEM I REACTION CENTRE SUBUNIT VIII (PSI-I) >gi_72677_pir__A1RZI photosystem I protein psaI - rice chloroplast >gi_11996_emb_CAA33957_ (X15901) ORF36 [Oryza sativa] >gi_226617_prf__1603356AP photosystem I small peptide [Oryza sativa]'		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62565	Strand	+
Start	6059	End	6485
Name	OJ990519_28.9924.C2.o5.np	Method	AAT/NAP
Start	6126	End	6233
GI	131205	Score	178
Exons	6126..6233		
GI Descrip.	PHOTOSYSTEM I REACTION CENTRE SUBUNIT VIII (PSI-I) gi|72677|pir||A1RZI photosystem I protein psaI - rice chloroplast gi|11996|emb|CAA33957| (X15901) ORF36 [Oryza sativa] gi|226617|prf||1603356AP photosystem I small peptide [Oryza sativa]		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62566	Strand	-
Start	39	End	2502
Name	OJ990519_28.9924.C2.o1.gs	Method	GENSCAN
Start	39	End	2218
GI	none	Score	.86
Exons	39..105, 413..594, 967..2218		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62566	Strand	-

Start	39	End	2502
Name	OJ990519_28.9924.C2.o1.np	Method	AAT/NAP
Start	311	End	721
GI	114601	Score	690
Exons	311..721		
GI Descrip.	ATP SYNTHASE EPSILON CHAIN gi|67868|pir||PWRZE H+-transporting ATP synthase (EC 3.6.1.34) epsilon chain - rice chloroplast gi|11990|emb|CAA34002| (X15901) atpE; ATPase epsilon subunit [Oryza sativa] gi|343204 (M31464) atpE gene product [Oryza sativa] gi|226611|prf||1603356AH ATPase epsilon [Oryza sativa]		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62566	Strand	-
Start	39	End	2502
Name	OJ990519_28.9924.C2.o2.np	Method	AAT/NAP
Start	721	End	2218
GI	6815115	Score	2344
Exons	721..2218		
GI Descrip.	(AB037543) ATP synthase beta subunit [Oryza sativa]		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62566	Strand	-
Start	39	End	2502
Name	OJ990519_28.9924.C2.o1.gp	Method	AAT/GAP
Start	1985	End	2502
GI	uC-osf1M202083h12b1	Score	941
Exons	1985..2502		
GI Descrip.	'552857 3.0e-25 (M31464) atpB gene product [Oryza sativa]'		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62567	Strand	-
Start	5074	End	5287
Name	OJ990519_28.9924.C2.o1.tc	Method	TBLASTX:Cress
Start	228	End	2221
GI	none	Score	75
Exons	228..398, 323..562, 388..552, 395..556, 483..566, 533..877, 554..877, 565..879, 771..878, 938..2221, 939..1559, 964..1896, 1184..2221		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62567	Strand	-
Start	5074	End	5287
Name	OJ990519_28.9924.C2.o5.tm	Method	TBLASTX:Maize
Start	261	End	645
GI	none	Score	131
Exons	261..398, 262..591, 301..591, 483..608, 576..644, 598..645, 598..645		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62567	Strand	-
Start	5074	End	5287
Name	OJ990519_28.9924.C2.o1.ts	Method	TBLASTX:Soybean
Start	323	End	1623
GI	none	Score	69
Exons	323..877, 324..398, 406..873, 413..877, 937..1098, 938..1621, 939..1559, 979..1623, 1297..1623		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62567	Strand	-
Start	5074	End	5287
Name	OJ990519_28.9924.C2.o1.tm	Method	TBLASTX:Maize
Start	749	End	2063
GI	none	Score	67
Exons	749..877, 754..876, 938..1138, 938..1534, 939..1523, 1178..1534, 1556..2044, 1565..1777, 1644..2063		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62567	Strand	-
Start	5074	End	5287
Name	OJ990519_28.9924.C2.o6.tw	Method	TBLASTX:Wheat
Start	781	End	1165
GI	none	Score	44
Exons	781..876, 782..877, 938..1165, 939..1142		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62567	Strand	-
Start	5074	End	5287
Name	OJ990519_28.9924.C2.o3.tw	Method	TBLASTX:Wheat
Start	1253	End	1948
GI	none	Score	231
Exons	1253..1534, 1254..1523, 1259..1528, 1556..1615, 1622..1660, 1671..1940, 1685..1948		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62567	Strand	-
Start	5074	End	5287
Name	OJ990519_28.9924.C2.o3.ts	Method	TBLASTX:Soybean
Start	1624	End	2219
GI	none	Score	491
Exons	1624..1884, 1625..2218, 1625..2218, 1626..2219		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62567	Strand	-
Start	5074	End	5287
Name	OJ990519_28.9924.C2.o9.tm	Method	TBLASTX:Maize
Start	2063	End	2209
GI	none	Score	192
Exons	2063..2209, 2064..2207, 2066..2209		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62567	Strand	-
Start	5074	End	5287
Name	OJ990519_28.9924.C2.o4.tw	Method	TBLASTX:Wheat
Start	2092	End	2525
GI	none	Score	222
Exons	2092..2241, 2094..2231, 2239..2322, 2239..2304, 2303..2524, 2312..2491, 2316..2525		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62567	Strand	-
Start	5074	End	5287
Name	OJ990519_28.9924.C2.o7.tm	Method	TBLASTX:Maize
Start	2210	End	2508
GI	none	Score	39

Exons	2210..2227, 2211..2270, 2212..2268, 2263..2295, 2263..2295, 2297..2455, 2300..2455, 2301..2462, 2316..2480, 2448..2504, 2452..2508, 2452..2505, 2454..2507		
Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62567	Strand	-
Start	5074	End	5287
Name	OJ990519_28.9924.C2.o6.tm	Method	TBLASTX:Maize
Start	2650	End	2959
GI	none	Score	186
Exons	2650..2772, 2653..2775, 2749..2859, 2760..2837, 2762..2857, 2763..2867, 2832..2957, 2834..2959, 2876..2959		
Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62567	Strand	-
Start	5074	End	5287
Name	OJ990519_28.9924.C2.o2.tw	Method	TBLASTX:Wheat
Start	2693	End	3378
GI	none	Score	178
Exons	2693..2821, 2693..2854, 2695..2838, 2812..2910, 2841..2903, 2866..2940, 2904..3332, 2924..3376, 2924..3376, 2953..3378		
Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62567	Strand	-
Start	5074	End	5287
Name	OJ990519_28.9924.C2.o2.ts	Method	TBLASTX:Soybean
Start	2933	End	3636
GI	none	Score	998
Exons	2933..3619, 2933..3634, 2956..3636, 3121..3636		
Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62567	Strand	-
Start	5074	End	5287
Name	OJ990519_28.9924.C2.o2.tc	Method	TBLASTX:Cress
Start	2942	End	3418
GI	none	Score	41
Exons	2942..2974, 2976..3326, 2977..3399, 2978..3418, 2981..3418		
Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62567	Strand	-
Start	5074	End	5287
Name	OJ990519_28.9924.C2.o2.tm	Method	TBLASTX:Maize
Start	2960	End	3706
GI	none	Score	428
Exons	2960..3658, 2970..3332, 2972..3700, 3656..3706, 3659..3706		
Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62567	Strand	-
Start	5074	End	5287
Name	OJ990519_28.9924.C2.o5.tw	Method	TBLASTX:Wheat
Start	3379	End	3561
GI	none	Score	319
Exons	3379..3561, 3380..3559		
Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62567	Strand	-
Start	5074	End	5287

Name	OJ990519_28.9924.C2.o1.tw	Method	TBLASTX:Wheat
Start	3704	End	4455
GI	none	Score	791
Exons	3704..4312, 3705..4316, 3706..4317, 3710..4318, 4309..4449, 4312..4455		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62567	Strand	-
Start	5074	End	5287
Name	OJ990519_28.9924.C2.o8.tm	Method	TBLASTX:Maize
Start	3709	End	3997
GI	none	Score	206
Exons	3709..3993, 3710..3997, 3714..3992		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62567	Strand	-
Start	5074	End	5287
Name	OJ990519_28.9924.C2.o4.tc	Method	TBLASTX:Cress
Start	3941	End	4088
GI	none	Score	153
Exons	3941..4063, 3942..4088, 3943..4077		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62567	Strand	-
Start	5074	End	5287
Name	OJ990519_28.9924.C2.o3.tm	Method	TBLASTX:Maize
Start	4051	End	4586
GI	none	Score	346
Exons	4051..4317, 4060..4314, 4073..4318, 4309..4419, 4312..4419, 4527..4586, 4531..4584		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62567	Strand	-
Start	5074	End	5287
Name	OJ990519_28.9924.C2.o3.tc	Method	TBLASTX:Cress
Start	4171	End	4437
GI	none	Score	192
Exons	4171..4329, 4172..4336, 4303..4437, 4313..4405, 4315..4437		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62567	Strand	-
Start	5074	End	5287
Name	OJ990519_28.9924.C2.o3.gs	Method	GENSCAN
Start	5074	End	5287
GI	none	Score	.54
Exons	5074..5287		

Seq. No.	30266	Seq. ID	OJ990519_28.9924.C2
Gene No.	62568	Strand	
Start	6092	End	6485
Name	OJ990519_28.9924.C2.o4.tm	Method	TBLASTX:Maize
Start	6092	End	6485
GI	none	Score	265
Exons	6092..6271, 6098..6271, 6274..6372, 6275..6388, 6369..6440, 6372..6440, 6374..6460, 6397..6441, 6408..6485, 6433..6483		

Seq. No.	30267	Seq. ID	OJ990519_28.9924.C3

Gene No.	62569	Strand	+
Start	1	End	94
Name	OJ990519_28.9924.C3.o1.np	Method	AAT/NAP
Start	1	End	94
GI	118055	Score	135
Exons	1..94		
GI Descrip.	APOCYTOCHROME F PRECURSOR gi|100777|pir||S07296 plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f precursor - wheat chloroplast gi|758344|emb|CAA25213| (X00538) cytochrome f [Triticum aestivum]		

Seq. No.	30267	Seq. ID	OJ990519_28.9924.C3
Gene No.	62570	Strand	
Start	2	End	166
Name	OJ990519_28.9924.C3.o1.tw	Method	TBLASTX:Wheat
Start	2	End	166
GI	none	Score	284
Exons	2..166, 3..164		

Seq. No.	30268	Seq. ID	OJ990519_28.9924.C4
Gene No.	62571	Strand	+
Start	1	End	136
Name	OJ990519_28.9924.C4.o1.np	Method	AAT/NAP
Start	1	End	136
GI	140291	Score	194
Exons	1..136		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi|82541|pir||S05116 hypothetical protein 185 - rice chloroplast gi|11997|emb|CAA33958| (X15901) ORF185 [Oryza sativa] gi|226618|prf||1603356AQ ORF 185 [Oryza sativa]		

Seq. No.	30268	Seq. ID	OJ990519_28.9924.C4
Gene No.	62572	Strand	-
Start	36	End	136
Name	OJ990519_28.9924.C4.o1.tm	Method	TBLASTX:Maize
Start	3	End	136
GI	none	Score	199
Exons	3..134, 4..135, 5..136		

Seq. No.	30268	Seq. ID	OJ990519_28.9924.C4
Gene No.	62572	Strand	-
Start	36	End	136
Name	OJ990519_28.9924.C4.o1.gp	Method	AAT/GAP
Start	36	End	136
GI	2653_1.R1084	Score	158
Exons	36..136		
GI Descrip.	'11998/emb|CAA33959| 5.0e-35 (X15901) ORF85 [Oryza sativa] >gi_226619_prf__1603356AR ORF 85A [Oryza sativa]'		

Seq. No.	30269	Seq. ID	OJ990519_28.9924.C6
Gene No.	62573	Strand	+
Start	1	End	1032
Name	OJ990519_28.9924.C6.o1.gp	Method	AAT/GAP
Start	1	End	523
GI	uC-osflcyp011b01b1	Score	965
Exons	1..190, 212..523		
GI Descrip.	'343210 5.0e-78 (M35995) apocytochrome b6 (alt.) [Oryza sativa]		

>gi_226762_prf__1604469A cytochrome b6 [Oryza sativa]'

Seq. No.	30269	Seq. ID	OJ990519_28.9924.C6
Gene No.	62573	Strand	+
Start	1	End	1032
Name	OJ990519_28.9924.C6.o1.ts	Method	TBLASTX:Soybean
Start	54	End	895
GI	none	Score	96
Exons	54..116, 55..117, 55..120, 62..169, 94..171, 106..171, 210..584, 219..584, 220..585, 329..592, 571..819, 572..820, 584..829, 585..830, 859..888, 860..895		

Seq. No.	30269	Seq. ID	OJ990519_28.9924.C6
Gene No.	62573	Strand	+
Start	1	End	1032
Name	OJ990519_28.9924.C6.o1.gs	Method	GENSCAN
Start	85	End	478
GI	none	Score	.64
Exons	85..478		

Seq. No.	30269	Seq. ID	OJ990519_28.9924.C6
Gene No.	62573	Strand	+
Start	1	End	1032
Name	OJ990519_28.9924.C6.o1.np	Method	AAT/NAP
Start	85	End	800
GI	343210	Score	1125
Exons	85..800		
GI Descrip.	(M35995) apocytochrome b6 (alt.) [Oryza sativa] gi|226762|prf||1604469A cytochrome b6 [Oryza sativa]		

Seq. No.	30269	Seq. ID	OJ990519_28.9924.C6
Gene No.	62573	Strand	+
Start	1	End	1032
Name	OJ990519_28.9924.C6.o1.tc	Method	TBLASTX:Cress
Start	133	End	1032
GI	none	Score	61
Exons	133..171, 136..171, 210..584, 211..585, 220..585, 335..592, 580..714, 584..802, 585..803, 766..804, 824..934, 856..942, 858..926, 979..1032, 979..1032		

Seq. No.	30269	Seq. ID	OJ990519_28.9924.C6
Gene No.	62573	Strand	+
Start	1	End	1032
Name	OJ990519_28.9924.C6.o1.tm	Method	TBLASTX:Maize
Start	222	End	803
GI	none	Score	591
Exons	222..578, 223..585, 228..587, 584..685, 585..803, 722..802		

Seq. No.	30269	Seq. ID	OJ990519_28.9924.C6
Gene No.	62574	Strand	
Start	968	End	1209
Name	OJ990519_28.9924.C6.o2.tm	Method	TBLASTX:Maize
Start	968	End	1209
GI	none	Score	285
Exons	968..1162, 969..1160, 970..1161, 970..1167, 1165..1209, 1166..1207		

Seq. No.	30270	Seq. ID	OJ990519_28.9924.C7
Gene No.	62575	Strand	+
Start	399	End	2089
Name	OJ990519_28.9924.C7.o1.gs	Method	GENSCAN
Start	399	End	2089
GI	none	Score	.44
Exons	399..609, 920..1053, 1180..1337, 2032..2089		

Seq. No.	30271	Seq. ID	OJ990519_28.9924.C9
Gene No.	62576	Strand	-
Start	1	End	708
Name	OJ990519_28.9924.C9.o1.gp	Method	AAT/GAP
Start	1	End	325
GI	2409_1.R1084	Score	598
Exons	1..325		
GI Descrip.	'128690/sp|P12126|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		

Seq. No.	30271	Seq. ID	OJ990519_28.9924.C9
Gene No.	62576	Strand	-
Start	1	End	708
Name	OJ990519_28.9924.C9.o1.tm	Method	TBLASTX:Maize
Start	3	End	559
GI	none	Score	72
Exons	3..32, 4..57, 5..58, 6..59, 77..112, 89..142, 89..118, 90..146, 97..141, 135..161, 139..162, 192..254, 194..256, 209..256, 258..305, 261..305, 263..310, 277..372, 284..391, 306..398, 384..443, 390..446, 394..444, 446..559, 448..558		

Seq. No.	30271	Seq. ID	OJ990519_28.9924.C9
Gene No.	62576	Strand	-
Start	1	End	708
Name	OJ990519_28.9924.C9.o1.ts	Method	TBLASTX:Soybean
Start	451	End	708
GI	none	Score	131
Exons	451..552, 452..556, 452..556, 551..628, 553..627, 555..632, 607..660, 678..707, 685..708		

Seq. No.	30272	Seq. ID	OJ990519_28.9924.C10
Gene No.	62577	Strand	-
Start	1	End	81
Name	OJ990519_28.9924.C10.o1.np	Method	AAT/NAP
Start	1	End	81
GI	118048	Score	114
Exons	1..81		
GI Descrip.	APOCYTOCHROME F PRECURSOR gi|65615|pir||CFRZ plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f precursor - rice chloroplast gi|12000|emb|CAA33961| (X15901) cytochrome f [Oryza sativa] gi|226621|prf||1603356AU cytochrome f [Oryza sativa]		

Seq. No.	30272	Seq. ID	OJ990519_28.9924.C10
Gene No.	62578	Strand	-

Start	1	End	138
Name	OJ990519_28.9924.C10.o1.gp	Method	AAT/GAP
Start	1	End	138
GI	uC-osf1M202092b08b1	Score	222
Exons	1..138		
GI Descrip.	'118048/sp|P07888|CYF_ORYSA 5.0e-65 APOCYTOCHROME F PRECURSOR >gi_65615_pir__CFRZ plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f precursor - rice chloroplast >gi_12000_emb_CAA33961_ (X15901) cytochrome f [Oryza sativa] >gi_226621_prf__1603356AU cytochrome f [Oryza sativa]'		

Seq. No.	30272	Seq. ID	OJ990519_28.9924.C10
Gene No.	62579	Strand	-
Start	313	End	607
Name	OJ990519_28.9924.C10.o1.tc	Method	TBLASTX:Cress
Start	8	End	607
GI	none	Score	68
Exons	8..82, 10..81, 316..408, 317..409, 460..606, 462..554, 581..607		

Seq. No.	30272	Seq. ID	OJ990519_28.9924.C10
Gene No.	62579	Strand	-
Start	313	End	607
Name	OJ990519_28.9924.C10.o1.tm	Method	TBLASTX:Maize
Start	8	End	266
GI	none	Score	163
Exons	8..115, 9..161, 10..162, 45..164, 160..207, 164..220, 165..224, 166..225, 222..266, 224..259		

Seq. No.	30272	Seq. ID	OJ990519_28.9924.C10
Gene No.	62579	Strand	-
Start	313	End	607
Name	OJ990519_28.9924.C10.o1.tw	Method	TBLASTX:Wheat
Start	14	End	312
GI	none	Score	143
Exons	14..115, 15..161, 16..162, 160..204, 164..226, 165..281, 209..259, 210..281, 252..311, 286..312		

Seq. No.	30272	Seq. ID	OJ990519_28.9924.C10
Gene No.	62579	Strand	-
Start	313	End	607
Name	OJ990519_28.9924.C10.o1.ts	Method	TBLASTX:Soybean
Start	308	End	605
GI	none	Score	89
Exons	308..409, 316..408, 460..555, 462..554, 546..605		

Seq. No.	30272	Seq. ID	OJ990519_28.9924.C10
Gene No.	62579	Strand	-
Start	313	End	607
Name	OJ990519_28.9924.C10.o2.np	Method	AAT/NAP
Start	313	End	607
GI	122779	Score	415
Exons	313..607		
GI Descrip.	POTENTIAL HEME-BINDING PROTEIN (ORF 230) gi|82542|pir||S05118 hypothetical protein 230 - rice chloroplast gi|11999|emb|CAA33960| (X15901) ORF230 [Oryza sativa] gi|226620|prf||1603356AT ORF 230 [Oryza sativa]		

Seq. No.	30273	Seq. ID	OJ990519_28.9924.C11
Gene No.	62580	Strand	-
Start	460	End	576
Name	OJ990519_28.9924.C11.o1.gs	Method	GENSCAN
Start	460	End	576
GI	none	Score	.75
Exons	460..576		

Seq. No.	30274	Seq. ID	OJ990519_28.9924.C12
Gene No.	62581	Strand	+
Start	89	End	397
Name	OJ990519_28.9924.C12.o2.gp	Method	AAT/GAP
Start	89	End	397
GI	5003883	Score	580
Exons	89..397		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-166 Rice complete chloroplast genome		

Seq. No.	30274	Seq. ID	OJ990519_28.9924.C12
Gene No.	62581	Strand	+
Start	89	End	397
Name	OJ990519_28.9924.C12.o1.np	Method	AAT/NAP
Start	145	End	397
GI	124197	Score	388
Exons	145..397		
GI Descrip.	TRANSLATION INITIATION FACTOR IF-1, CHLOROPLAST gi|72885|pir||FIRZ1 translation initiation factor IF-1 - rice chloroplast gi|12021|emb|CAA33930| (X15901) initiation factor 1 [Oryza sativa] gi|226642|prf||1603356BR initiation factor 1 [Oryza sativa] gi|227785|prf||1711263A initiation factor 1 [Oryza sativa]		

Seq. No.	30274	Seq. ID	OJ990519_28.9924.C12
Gene No.	62582	Strand	-
Start	1	End	112
Name	OJ990519_28.9924.C12.o1.gp	Method	AAT/GAP
Start	1	End	112
GI	uC-osflcyp086h07a1	Score	201
Exons	1..112		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	30274	Seq. ID	OJ990519_28.9924.C12
Gene No.	62583	Strand	
Start	43	End	397
Name	OJ990519_28.9924.C12.o1.tm	Method	TBLASTX:Maize
Start	43	End	397
GI	none	Score	66
Exons	43..96, 45..95, 109..135, 179..397, 179..397		

Seq. No.	30274	Seq. ID	OJ990519_28.9924.C12
Gene No.	62583	Strand	
Start	43	End	397
Name	OJ990519_28.9924.C12.o1.ts	Method	TBLASTX:Soybean
Start	185	End	389
GI	none	Score	215
Exons	185..388, 204..389		

Seq. No.	30275	Seq. ID	OJ990519_28.9924.C13
Gene No.	62584	Strand	-
Start	1	End	531
Name	OJ990519_28.9924.C13.o1.np	Method	AAT/NAP
Start	1	End	531
GI	131271	Score	992
Exons	1..531		
GI Descrip.	PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) gi|72705|pir||QJRZ6A photosystem II chlorophyll a-binding protein psbB - rice chloroplast gi|12013|emb|CAA33973| (X15901) PSII 47kDa protein [Oryza sativa] gi|226634|prf||1603356BH photosystem II 47kD protein [Oryza sativa]		

Seq. No.	30275	Seq. ID	OJ990519_28.9924.C13
Gene No.	62585	Strand	-
Start	584	End	725
Name	OJ990519_28.9924.C13.o1.tc	Method	TBLASTX:Cress
Start	277	End	543
GI	none	Score	195
Exons	277..543, 284..532, 288..536		

Seq. No.	30275	Seq. ID	OJ990519_28.9924.C13
Gene No.	62585	Strand	-
Start	584	End	725
Name	OJ990519_28.9924.C13.o1.tm	Method	TBLASTX:Maize
Start	435	End	725
GI	none	Score	311
Exons	435..605, 436..618, 605..724, 609..725, 609..725		

Seq. No.	30275	Seq. ID	OJ990519_28.9924.C13
Gene No.	62585	Strand	-
Start	584	End	725
Name	OJ990519_28.9924.C13.o1.gp	Method	AAT/GAP
Start	584	End	712
GI	LIB3432-057-P1-K1-A8	Score	169
Exons	584..712		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-52 Rice complete chloroplast genome'		

Seq. No.	30276	Seq. ID	OJ990519_28.9924.C14
Gene No.	62586	Strand	+
Start	268	End	624
Name	OJ990519_28.9924.C14.o1.np	Method	AAT/NAP
Start	268	End	624
GI	132767	Score	568
Exons	268..624		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L20 gi|71276|pir||R5RZ20 ribosomal protein L20 - rice chloroplast gi|12010|emb|CAA33971| (X15901) ribosomal protein L20 [Oryza sativa] gi|226632|prf||1603356BF ribosomal protein L20 [Oryza sativa]		

Seq. No.	30276	Seq. ID	OJ990519_28.9924.C14
Gene No.	62586	Strand	+
Start	268	End	624
Name	OJ990519_28.9924.C14.o1.gs	Method	GENSCAN
Start	316	End	485

GI	none	Score	.93
Exons	316..381, 417..485		

Seq. No.	30276	Seq. ID	OJ990519_28.9924.C14
Gene No.	62587	Strand	-
Start	850	End	1370
Name	OJ990519_28.9924.C14.o2.ts	Method	TBLASTX:Soybean
Start	124	End	422
GI	none	Score	93
Exons	124..195, 157..195, 229..408,	239..418,	264..422

Seq. No.	30276	Seq. ID	OJ990519_28.9924.C14
Gene No.	62587	Strand	-
Start	850	End	1370
Name	OJ990519_28.9924.C14.o2.gs	Method	GENSCAN
Start	850	End	1341
GI	none	Score	.95
Exons	850..1341		

Seq. No.	30276	Seq. ID	OJ990519_28.9924.C14
Gene No.	62587	Strand	-
Start	850	End	1370
Name	OJ990519_28.9924.C14.o2.np	Method	AAT/NAP
Start	853	End	1341
GI	133839	Score	842
Exons	853..1341		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S18 gi|71017|pir||R3RZ18 ribosomal protein S18 - rice chloroplast gi|12009|emb|CAA33970| (X15901) ribosomal protein S18 [Oryza sativa] gi|226631|prf||1603356BE ribosomal protein S18 [Oryza sativa]		

Seq. No.	30276	Seq. ID	OJ990519_28.9924.C14
Gene No.	62587	Strand	-
Start	850	End	1370
Name	OJ990519_28.9924.C14.o1.tc	Method	TBLASTX:Cress
Start	869	End	1370
GI	none	Score	196
Exons	869..967, 1012..1197, 1021..1191, 1025..1204, 1251..1316, 1270..1317, 1293..1370		

Seq. No.	30276	Seq. ID	OJ990519_28.9924.C14
Gene No.	62587	Strand	-
Start	850	End	1370
Name	OJ990519_28.9924.C14.o1.ts	Method	TBLASTX:Soybean
Start	1012	End	1322
GI	none	Score	260
Exons	1012..1197, 1016..1204, 1251..1322, 1270..1314		

Seq. No.	30277	Seq. ID	OJ990519_28.9924.C16
Gene No.	62588	Strand	+
Start	2920	End	3144
Name	OJ990519_28.9924.C16.o1.gs	Method	GENSCAN
Start	2920	End	3144
GI	none	Score	.68
Exons	2920..3144		

Seq. No.	30277	Seq. ID	OJ990519_28.9924.C16

Gene No.	62589	Strand	+
Start	4894	End	8553
Name	OJ990519_28.9924.C16.o2.gs	Method	GENSCAN
Start	4894	End	8553
GI	none	Score	.55
Exons	4894..5015, 5141..5207, 5263..5390, 5476..5796, 6066..6168, 7928..8084, 8387..8553		

Seq. No.	30277	Seq. ID	OJ990519_28.9924.C16
Gene No.	62589	Strand	+
Start	4894	End	8553
Name	OJ990519_28.9924.C16.o1.gp	Method	AAT/GAP
Start	5115	End	5774
GI	20063_1.R1084	Score	1046
Exons	5115..5390, 5476..5774		
GI Descrip.	'1352057/sp|P49679|AXI4_PEA 6.0e-18 AUXIN-INDUCED PROTEIN IAA4 >gi_629633_pir__S39075 auxin-induced protein - garden pea >gi_414181_emb_CAA48297_ (X68215) auxin-induced protein [Pisum sativum]'		

Seq. No.	30277	Seq. ID	OJ990519_28.9924.C16
Gene No.	62589	Strand	+
Start	4894	End	8553
Name	OJ990519_28.9924.C16.o1.np	Method	AAT/NAP
Start	5122	End	6130
GI	4887020	Score	269
Exons	5122..5387, 5476..5796, 5886..5947, 6096..6130		
GI Descrip.	(AF123508) Nt-iaa28 deduced protein [Nicotiana tabacum]		

Seq. No.	30277	Seq. ID	OJ990519_28.9924.C16
Gene No.	62590	Strand	+
Start	8733	End	12983
Name	OJ990519_28.9924.C16.o3.gp	Method	AAT/GAP
Start	8733	End	11721
GI	uC-osflcyp064g12b1	Score	1008
Exons	8733..8962, 11242..11451, 11624..11721		
GI Descrip.	'4874313/gb|AAD31375.1|AC006053_17 2.0e-27 (AC006053) putative proton phosphatase [Arabidopsis thaliana]'		

Seq. No.	30277	Seq. ID	OJ990519_28.9924.C16
Gene No.	62590	Strand	+
Start	8733	End	12983
Name	OJ990519_28.9924.C16.o2.np	Method	AAT/NAP
Start	9858	End	12980
GI	4874313	Score	1043
Exons	9858..9944, 11242..11451, 11624..11835, 12416..12980		
GI Descrip.	(AC006053) putative protein phosphatase 2C [Arabidopsis thaliana]		

Seq. No.	30277	Seq. ID	OJ990519_28.9924.C16
Gene No.	62590	Strand	+
Start	8733	End	12983
Name	OJ990519_28.9924.C16.o4.gs	Method	GENSCAN
Start	10749	End	12983
GI	none	Score	.99
Exons	10749..10760, 11242..11451, 11624..11835, 12416..12983		

Seq. No.	30277	Seq. ID	OJ990519_28.9924.C16
Gene No.	62591	Strand	-
Start	6227	End	6617
Name	OJ990519_28.9924.C16.o2.gp	Method	AAT/GAP
Start	6227	End	6617
GI	none	Score	747
Exons	6227..6617		

Seq. No.	30277	Seq. ID	OJ990519_28.9924.C16
Gene No.	62592	Strand	-
Start	8711	End	10151
Name	OJ990519_28.9924.C16.o3.gs	Method	GENSCAN
Start	8711	End	10151
GI	none	Score	.64
Exons	8711..9235, 10005..10151		

Seq. No.	30277	Seq. ID	OJ990519_28.9924.C16
Gene No.	62593	Strand	-
Start	13951	End	18629
Name	OJ990519_28.9924.C16.o2.tm	Method	TBLASTX:Maize
Start	5473	End	5946
GI	none	Score	91
Exons	5473..5535, 5474..5560, 5537..5674, 5549..5638, 5701..5796, 5705..5797, 5884..5946, 5886..5945		

Seq. No.	30277	Seq. ID	OJ990519_28.9924.C16
Gene No.	62593	Strand	-
Start	13951	End	18629
Name	OJ990519_28.9924.C16.o2.tc	Method	TBLASTX:Cress
Start	5474	End	5946
GI	none	Score	68
Exons	5474..5527, 5540..5659, 5702..5797, 5887..5946		

Seq. No.	30277	Seq. ID	OJ990519_28.9924.C16
Gene No.	62593	Strand	-
Start	13951	End	18629
Name	OJ990519_28.9924.C16.o3.tw	Method	TBLASTX:Wheat
Start	5474	End	5797
GI	none	Score	69
Exons	5474..5560, 5555..5653, 5732..5797		

Seq. No.	30277	Seq. ID	OJ990519_28.9924.C16
Gene No.	62593	Strand	-
Start	13951	End	18629
Name	OJ990519_28.9924.C16.o2.ts	Method	TBLASTX:Soybean
Start	5474	End	5946
GI	none	Score	68
Exons	5474..5539, 5485..5520, 5546..5659, 5552..5638, 5705..5797, 5887..5946		

Seq. No.	30277	Seq. ID	OJ990519_28.9924.C16
Gene No.	62593	Strand	-
Start	13951	End	18629
Name	OJ990519_28.9924.C16.o3.ts	Method	TBLASTX:Soybean
Start	11311	End	11836
GI	none	Score	154
Exons	11311..11454, 11316..11456, 11331..11456, 11623..11835,		

11624..11836

Seq. No.	30277	Seq. ID	OJ990519_28.9924.C16
Gene No.	62593	Strand	-
Start	13951	End	18629
Name	OJ990519_28.9924.C16.o1.tm	Method	TBLASTX:Maize
Start	12404	End	12968
GI	none	Score	279
Exons	12404..12640, 12405..12623, 12638..12859, 12639..12875, 12678..12887, 12924..12968		

Seq. No.	30277	Seq. ID	OJ990519_28.9924.C16
Gene No.	62593	Strand	-
Start	13951	End	18629
Name	OJ990519_28.9924.C16.o1.tc	Method	TBLASTX:Cress
Start	12405	End	12968
GI	none	Score	295
Exons	12405..12623, 12406..12519, 12428..12616, 12641..12871, 12642..12875, 12927..12968		

Seq. No.	30277	Seq. ID	OJ990519_28.9924.C16
Gene No.	62593	Strand	-
Start	13951	End	18629
Name	OJ990519_28.9924.C16.o1.ts	Method	TBLASTX:Soybean
Start	12405	End	12851
GI	none	Score	286
Exons	12405..12602, 12413..12601, 12600..12635, 12638..12850, 12639..12851, 12666..12851		

Seq. No.	30277	Seq. ID	OJ990519_28.9924.C16
Gene No.	62593	Strand	-
Start	13951	End	18629
Name	OJ990519_28.9924.C16.o2.tw	Method	TBLASTX:Wheat
Start	12479	End	12719
GI	none	Score	151
Exons	12479..12610, 12480..12614, 12641..12718, 12642..12719		

Seq. No.	30277	Seq. ID	OJ990519_28.9924.C16
Gene No.	62593	Strand	-
Start	13951	End	18629
Name	OJ990519_28.9924.C16.o1.tw	Method	TBLASTX:Wheat
Start	12720	End	13170
GI	none	Score	260
Exons	12720..12878, 12720..12986, 12722..12976, 12924..12986, 13030..13077, 13141..13170		

Seq. No.	30277	Seq. ID	OJ990519_28.9924.C16
Gene No.	62593	Strand	-
Start	13951	End	18629
Name	OJ990519_28.9924.C16.o4.gp	Method	AAT/GAP
Start	13951	End	18629
GI	LIB3477-003-P1-K1-E9	Score	97
Exons	13951..13973, 15923..15982, 18607..18629		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	30278	Seq. ID	OJ990519_28.9924.C17
Gene No.	62594	Strand	+
Start	4010	End	4143
Name	OJ990519_28.9924.C17.o1.gp	Method	AAT/GAP
Start	4010	End	4143
GI	LIB3474-009-P1-K1-F11	Score	221
Exons	4010..4143		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	30278	Seq. ID	OJ990519_28.9924.C17
Gene No.	62595	Strand	+
Start	4170	End	4784
Name	OJ990519_28.9924.C17.o1.np	Method	AAT/NAP
Start	4170	End	4784
GI	5734709	Score	152
Exons	4170..4784		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	30278	Seq. ID	OJ990519_28.9924.C17
Gene No.	62596	Strand	+
Start	4703	End	6735
Name	OJ990519_28.9924.C17.o2.gp	Method	AAT/GAP
Start	4703	End	5835
GI	none	Score	680
Exons	4703..4859, 5594..5835		

Seq. No.	30278	Seq. ID	OJ990519_28.9924.C17
Gene No.	62596	Strand	+
Start	4703	End	6735
Name	OJ990519_28.9924.C17.o3.gs	Method	GENSCAN
Start	5706	End	6674
GI	none	Score	.89
Exons	5706..5825, 5952..6674		

Seq. No.	30278	Seq. ID	OJ990519_28.9924.C17
Gene No.	62596	Strand	+
Start	4703	End	6735
Name	OJ990519_28.9924.C17.o3.gp	Method	AAT/GAP
Start	6418	End	6735
GI	2431408	Score	598
Exons	6418..6735		

Seq. No.	30278	Seq. ID	OJ990519_28.9924.C17
Gene No.	62597	Strand	+
Start	7201	End	9824
Name	OJ990519_28.9924.C17.o4.gs	Method	GENSCAN
Start	7201	End	8568
GI	none	Score	.85
Exons	7201..8568		

Seq. No.	30278	Seq. ID	OJ990519_28.9924.C17
Gene No.	62597	Strand	+
Start	7201	End	9824
Name	OJ990519_28.9924.C17.o2.np	Method	AAT/NAP
Start	7588	End	9824

GI	2213632	Score	726
Exons	7588..8326, 9801..9824		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	30278	Seq. ID	OJ990519_28.9924.C17
Gene No.	62598	Strand	-
Start	3700	End	4816
Name	OJ990519_28.9924.C17.o2.gs	Method	GENSCAN
Start	3700	End	4816
GI	none	Score	.75
Exons	3700..3921, 4430..4816		

Seq. No.	30278	Seq. ID	OJ990519_28.9924.C17
Gene No.	62599	Strand	
Start	7375	End	8355
Name	OJ990519_28.9924.C17.o2.tw	Method	TBLASTX:Wheat
Start	7375	End	7692
GI	none	Score	202
Exons	7375..7692, 7425..7667		

Seq. No.	30278	Seq. ID	OJ990519_28.9924.C17
Gene No.	62599	Strand	
Start	7375	End	8355
Name	OJ990519_28.9924.C17.o1.tm	Method	TBLASTX:Maize
Start	7540	End	7971
GI	none	Score	341
Exons	7540..7869, 7554..7691, 7714..7857, 7782..7868, 7872..7970, 7873..7971		

Seq. No.	30278	Seq. ID	OJ990519_28.9924.C17
Gene No.	62599	Strand	
Start	7375	End	8355
Name	OJ990519_28.9924.C17.o1.tw	Method	TBLASTX:Wheat
Start	7701	End	8106
GI	none	Score	213
Exons	7701..7865, 7702..7866, 7711..7881, 7873..8106, 7890..8102		

Seq. No.	30278	Seq. ID	OJ990519_28.9924.C17
Gene No.	62599	Strand	
Start	7375	End	8355
Name	OJ990519_28.9924.C17.o2.tm	Method	TBLASTX:Maize
Start	7972	End	8310
GI	none	Score	210
Exons	7972..8238, 7972..8118, 8155..8202, 8245..8310		

Seq. No.	30278	Seq. ID	OJ990519_28.9924.C17
Gene No.	62599	Strand	
Start	7375	End	8355
Name	OJ990519_28.9924.C17.o3.tw	Method	TBLASTX:Wheat
Start	8110	End	8355
GI	none	Score	187
Exons	8110..8355		

Seq. No.	30279	Seq. ID	OJ990519_28.9924.C18
Gene No.	62600	Strand	-
Start	70	End	206
Name	OJ990519_28.9924.C18.o1.np	Method	AAT/NAP

Start	70	End	206
GI	6815099	Score	77
Exons	70..206		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	30279	Seq. ID	OJ990519_28.9924.C18
Gene No.	62601	Strand	-
Start	195	End	618
Name	OJ990519_28.9924.C18.o1.gs	Method	GENSCAN
Start	195	End	618
GI	none	Score	.54
Exons	195..429, 610..618		

Seq. No.	30279	Seq. ID	OJ990519_28.9924.C18
Gene No.	62602	Strand	-
Start	1173	End	11461
Name	OJ990519_28.9924.C18.o2.gs	Method	GENSCAN
Start	1173	End	11461
GI	none	Score	.56
Exons	1173..1462, 1504..1608, 5934..6035, 6118..6220, 6394..6636, 6855..6993, 8203..8344, 8367..8518, 8658..8747, 9122..9254, 10295..10407, 10862..10959, 11003..11461		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62603	Strand	+
Start	1	End	5666
Name	OJ990519_28.9924.C19.o1.np	Method	AAT/NAP
Start	1	End	5663
GI	5107374	Score	3024
Exons	1..290, 371..520, 606..739, 834..943, 1103..1209, 1435..1573, 1676..1792, 2127..2234, 2317..2388, 2498..2620, 2726..2885, 2975..3096, 3215..3352, 3432..3574, 3695..3757, 3957..4020, 4099..4234, 4513..4586, 5154..5248, 5341..5372, 5494..5663		
GI Descrip.	(AF154272) PINHEAD [Arabidopsis thaliana]		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62603	Strand	+
Start	1	End	5666
Name	OJ990519_28.9924.C19.o1.gs	Method	GENSCAN
Start	127	End	5666
GI	none	Score	.62
Exons	127..290, 374..520, 561..601, 620..943, 1535..1573, 2498..2620, 2703..2885, 2975..3096, 3215..3352, 3695..3757, 3934..4020, 4099..4234, 4513..4586, 5440..5458, 5494..5666		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62603	Strand	+
Start	1	End	5666
Name	OJ990519_28.9924.C19.o1.gp	Method	AAT/GAP
Start	1079	End	2242
GI	uC-osflM202123c05b1	Score	844
Exons	1079..1209, 1435..1573, 1676..1792, 2131..2242		
GI Descrip.	'5107374/gb|AAD40098.1|AF154272_1 5.0e-34 (AF154272) PINHEAD [Arabidopsis thaliana]'		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62603	Strand	+

Start	1	End	5666
Name	OJ990519_28.9924.C19.o2.gp	Method	AAT/GAP
Start	2786	End	3534
GI	2310389	Score	754
Exons	2786..2886, 2975..3096, 3215..3352, 3432..3534		
GI Descrip.	5107374/gb|AAD40098.1|AF154272_1 5.0e-34 (AF154272) PINHEAD [Arabidopsis thaliana]		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62604	Strand	+
Start	8499	End	9612
Name	OJ990519_28.9924.C19.o3.gs	Method	GENSCAN
Start	8499	End	9612
GI	none	Score	.94
Exons	8499..8732, 8823..9139, 9414..9612		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62605	Strand	+
Start	10469	End	11230
Name	OJ990519_28.9924.C19.o4.gs	Method	GENSCAN
Start	10469	End	11230
GI	none	Score	.99
Exons	10469..10615, 10697..11230		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62606	Strand	+
Start	15613	End	18881
Name	OJ990519_28.9924.C19.o3.np	Method	AAT/NAP
Start	15613	End	18881
GI	4467124	Score	909
Exons	15613..17598, 18863..18881		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62607	Strand	+
Start	20059	End	21808
Name	OJ990519_28.9924.C19.o3.gp	Method	AAT/GAP
Start	20059	End	21808
GI	12398_1.R1084	Score	1382
Exons	20059..20114, 20364..20446, 20526..20657, 20797..21007, 21274..21392, 21619..21808		
GI Descrip.	'4895187/gb|AAD32774.1|AC007661_11 7.0e-16 (AC007661) unknown protein [Arabidopsis thaliana]'		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62608	Strand	+
Start	22091	End	22302
Name	OJ990519_28.9924.C19.o4.gp	Method	AAT/GAP
Start	22091	End	22302
GI	2291_1.R1084	Score	391
Exons	22091..22302		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62609	Strand	-
Start	6085	End	8359
Name	OJ990519_28.9924.C19.o3.ts	Method	TBLASTX:Soybean
Start	76	End	645
GI	none	Score	240
Exons	76..228, 79..279, 369..524, 371..523, 594..641, 595..645		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62609	Strand	-
Start	6085	End	8359
Name	OJ990519_28.9924.C19.o1.tc	Method	TBLASTX:Cress
Start	79	End	5666
GI	none	Score	248
Exons	79..273, 369..524, 371..508, 604..738, 618..737, 832..927, 832..969, 839..964, 1075..1209, 1076..1219, 1432..1584, 1436..1573, 1476..1589, 1673..1792, 1675..1788, 2108..2236, 2111..2233, 2124..2237, 2317..2388, 2317..2388, 2495..2629, 2495..2620, 2497..2628, 2725..2889, 2726..2896, 2744..2890, 2973..3077, 2974..3099, 2993..3088, 3209..3355, 3209..3352, 3214..3354, 3420..3584, 3431..3586, 3692..3754, 3705..3758, 3955..4020, 3957..4016, 4084..4227, 4086..4226, 4099..4236, 4511..4594, 4512..4586, 5151..5252, 5153..5248, 5326..5367, 5339..5371, 5489..5557, 5493..5567, 5609..5662, 5610..5666		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62609	Strand	-
Start	6085	End	8359
Name	OJ990519_28.9924.C19.o2.tm	Method	TBLASTX:Maize
Start	79	End	922
GI	none	Score	104
Exons	79..171, 169..279, 369..524, 375..503, 377..523, 594..728, 595..738, 832..921, 839..922		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62609	Strand	-
Start	6085	End	8359
Name	OJ990519_28.9924.C19.o6.ts	Method	TBLASTX:Soybean
Start	645	End	969
GI	none	Score	155
Exons	645..737, 646..738, 832..969, 839..964		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62609	Strand	-
Start	6085	End	8359
Name	OJ990519_28.9924.C19.o8.tm	Method	TBLASTX:Maize
Start	1075	End	1486
GI	none	Score	184
Exons	1075..1221, 1076..1219, 1432..1485, 1436..1486, 1436..1486		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62609	Strand	-
Start	6085	End	8359
Name	OJ990519_28.9924.C19.o1.ts	Method	TBLASTX:Soybean
Start	1432	End	3736
GI	none	Score	169
Exons	1432..1584, 1433..1576, 1673..1792, 1678..1791, 2124..2237,		

2124..2234, 2125..2250, 2126..2236, 2152..2247, 2317..2388,
2317..2388, 2495..2626, 2495..2635, 2725..2889, 2729..2896,
2762..2890, 2973..3074, 2974..3099, 3209..3355, 3217..3354,
3420..3575, 3428..3583, 3431..3574, 3683..3736

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62609	Strand	-
Start	6085	End	8359
Name	OJ990519_28.9924.C19.o1.tm	Method	TBLASTX:Maize
Start	1487	End	5675
GI	none	Score	111

Exons 1487..1576, 1505..1585, 1685..1792, 1708..1791, 2120..2230,
2124..2231, 2314..2388, 2317..2388, 2495..2581, 2495..2575,
2558..2638, 2576..2620, 2725..2790, 2726..2803, 2818..2889,
2855..2896, 2973..3080, 2974..3099, 3035..3112, 3209..3355,
3217..3354, 3420..3584, 3431..3586, 3695..3757, 3705..3758,
3954..4013, 3955..4020, 4098..4238, 4099..4257, 4511..4594,
4512..4586, 4523..4588, 5121..5255, 5151..5252, 5152..5253,
5153..5254, 5153..5257, 5339..5371, 5489..5563, 5493..5567,
5582..5665, 5610..5675

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62609	Strand	-
Start	6085	End	8359
Name	OJ990519_28.9924.C19.o2.tw	Method	TBLASTX:Wheat
Start	2974	End	3476
GI	none	Score	178

Exons 2974..3099, 2988..3074, 3209..3355, 3217..3351, 3449..3475,
3450..3476

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62609	Strand	-
Start	6085	End	8359
Name	OJ990519_28.9924.C19.o5.ts	Method	TBLASTX:Soybean
Start	3954	End	5666
GI	none	Score	107

Exons 3954..4016, 3955..4020, 4084..4233, 4086..4178, 4097..4246,
4099..4257, 4511..4582, 4512..4586, 4514..4588, 5151..5252,
5153..5251, 5332..5367, 5339..5371, 5489..5563, 5489..5563,
5493..5567, 5609..5662, 5610..5666

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62609	Strand	-
Start	6085	End	8359
Name	OJ990519_28.9924.C19.o3.tw	Method	TBLASTX:Wheat
Start	5136	End	5666
GI	none	Score	177

Exons 5136..5255, 5151..5252, 5153..5257, 5339..5371, 5489..5563,
5493..5567, 5609..5662, 5610..5666

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62609	Strand	-
Start	6085	End	8359
Name	OJ990519_28.9924.C19.o2.np	Method	AAT/NAP
Start	6085	End	8317
GI	4544450	Score	960

Exons 6085..6219, 6774..8317

GI Descrip. (AC006592) hypothetical protein [Arabidopsis thaliana]

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62609	Strand	-
Start	6085	End	8359
Name	OJ990519_28.9924.C19.o2.gs	Method	GENSCAN
Start	6767	End	8359
GI	none	Score	.67
Exons	6767..8359		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62609	Strand	-
Start	6085	End	8359
Name	OJ990519_28.9924.C19.o7.ts	Method	TBLASTX:Soybean
Start	6776	End	7237
GI	none	Score	180
Exons	6776..7003, 7013..7237		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62609	Strand	-
Start	6085	End	8359
Name	OJ990519_28.9924.C19.o4.tc	Method	TBLASTX:Cress
Start	6785	End	7117
GI	none	Score	71
Exons	6785..7003, 6806..6997, 7007..7117		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62609	Strand	-
Start	6085	End	8359
Name	OJ990519_28.9924.C19.o4.tm	Method	TBLASTX:Maize
Start	6797	End	8218
GI	none	Score	72
Exons	6797..7003, 6851..6994, 7025..7531, 7205..7531, 7217..7399, 7241..7399, 7439..7633, 7544..7699, 7646..7798, 7670..7798, 7732..7761, 7817..8158, 7838..7939, 7841..8014, 7845..7964, 7896..8093, 7904..8218, 7925..8158		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62609	Strand	-
Start	6085	End	8359
Name	OJ990519_28.9924.C19.o1.tw	Method	TBLASTX:Wheat
Start	7092	End	8266
GI	none	Score	142
Exons	7092..7412, 7097..7567, 7154..7267, 7455..7568, 7460..7717, 7622..7804, 7811..8266		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62609	Strand	-
Start	6085	End	8359
Name	OJ990519_28.9924.C19.o2.tc	Method	TBLASTX:Cress
Start	7118	End	8221
GI	none	Score	140
Exons	7118..7240, 7154..7348, 7226..7591, 7238..7798, 7241..7648, 7460..7531, 7622..7831, 7628..7828, 7817..7945, 7835..8065, 7922..8158, 7934..8218, 7935..8132, 7937..8221, 7991..8155, 8186..8218		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62609	Strand	-
Start	6085	End	8359
Name	OJ990519_28.9924.C19.o9.ts	Method	TBLASTX:Soybean
Start	7250	End	8218
GI	none	Score	68
Exons	7250..7378, 7298..7675, 7473..7676, 7487..7678, 7601..7699, 7685..7744, 7694..7822, 7806..8069, 7832..8068, 7994..8218		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62610	Strand	
Start	9033	End	10621
Name	OJ990519_28.9924.C19.o3.tc	Method	TBLASTX:Cress
Start	9033	End	10621
GI	none	Score	128
Exons	9033..9140, 10367..10618, 10376..10456, 10396..10620, 10496..10621		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62611	Strand	
Start	10538	End	10843
Name	OJ990519_28.9924.C19.o8.ts	Method	TBLASTX:Soybean
Start	10538	End	10843
GI	none	Score	98
Exons	10538..10612, 10538..10603, 10691..10843, 10696..10839		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62612	Strand	
Start	15761	End	15981
Name	OJ990519_28.9924.C19.o7.tm	Method	TBLASTX:Maize
Start	15761	End	15981
GI	none	Score	235
Exons	15761..15979, 15775..15981		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62613	Strand	
Start	16365	End	16936
Name	OJ990519_28.9924.C19.o2.ts	Method	TBLASTX:Soybean
Start	16365	End	16921
GI	none	Score	490
Exons	16365..16574, 16367..16915, 16367..16921		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62613	Strand	
Start	16365	End	16936
Name	OJ990519_28.9924.C19.o5.tm	Method	TBLASTX:Maize
Start	16411	End	16936
GI	none	Score	219
Exons	16411..16665, 16412..16717, 16718..16936		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62613	Strand	
Start	16365	End	16936
Name	OJ990519_28.9924.C19.o4.tw	Method	TBLASTX:Wheat
Start	16541	End	16891
GI	none	Score	224
Exons	16541..16891		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62614	Strand	
Start	17183	End	17598
Name	OJ990519_28.9924.C19.o6.tm	Method	TBLASTX:Maize
Start	17183	End	17598
GI	none	Score	36
Exons	17183..17251, 17237..17455, 17474..17596, 17491..17598		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62615	Strand	
Start	18698	End	20920
Name	OJ990519_28.9924.C19.o3.tm	Method	TBLASTX:Maize
Start	18698	End	20920
GI	none	Score	229
Exons	18698..18862, 18715..18792, 18962..19102, 18964..19128, 18965..19102, 19026..19142, 19896..19961, 19896..19967, 19897..19968, 20038..20115, 20040..20117, 20040..20114, 20337..20447, 20361..20441, 20366..20449, 20526..20657, 20527..20655, 20795..20815, 20818..20919, 20819..20920, 20828..20920		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62615	Strand	
Start	18698	End	20920
Name	OJ990519_28.9924.C19.o4.ts	Method	TBLASTX:Soybean
Start	18701	End	20607
GI	none	Score	160
Exons	18701..18859, 18953..19102, 18953..19102, 18964..19104, 19881..19961, 19895..19954, 19896..19970, 19897..19968, 20039..20116, 20040..20117, 20334..20447, 20378..20449, 20526..20585, 20526..20585, 20527..20607		

Seq. No.	30280	Seq. ID	OJ990519_28.9924.C19
Gene No.	62615	Strand	
Start	18698	End	20920
Name	OJ990519_28.9924.C19.o5.tw	Method	TBLASTX:Wheat
Start	20361	End	20848
GI	none	Score	94
Exons	20361..20447, 20362..20448, 20369..20449, 20378..20446, 20529..20657, 20530..20655, 20788..20847, 20795..20848		

Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62616	Strand	+
Start	1	End	1976
Name	OJ990429_23.9924.C1.o1.np	Method	AAT/NAP
Start	1	End	1976
GI	2130082	Score	1148
Exons	1..1467, 1599..1976		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133) receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi|1586408|prf||2203451A receptor kinase-like protein [Oryza sativa]		

Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62616	Strand	+

Start	1	End	1976
Name	OJ990429_23.9924.C1.o1.gs	Method	GENSCAN
Start	97	End	1969
GI	none	Score	.85
Exons	97..1467, 1599..1969		

Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62617	Strand	+
Start	4994	End	5251
Name	OJ990429_23.9924.C1.o3.gs	Method	GENSCAN
Start	4994	End	5251
GI	none	Score	.92
Exons	4994..5251		

Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62618	Strand	+
Start	12158	End	14720
Name	OJ990429_23.9924.C1.o5.gs	Method	GENSCAN
Start	12158	End	14720
GI	none	Score	.74
Exons	12158..12166, 12311..12796, 13145..13396, 14496..14720		

Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62619	Strand	-
Start	2664	End	3011
Name	OJ990429_23.9924.C1.o2.gs	Method	GENSCAN
Start	2664	End	3011
GI	none	Score	.88
Exons	2664..3011		

Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62620	Strand	-
Start	3296	End	5106
Name	OJ990429_23.9924.C1.o1.gp	Method	AAT/GAP
Start	3296	End	5106
GI	72299_1.R1084	Score	990
Exons	3296..3783, 5019..5106		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-31 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62621	Strand	-
Start	6279	End	12784
Name	OJ990429_23.9924.C1.o4.gs	Method	GENSCAN
Start	6279	End	11905
GI	none	Score	.74
Exons	6279..6581, 6681..6769, 6885..6990, 7072..7200, 7750..7834, 8349..8549, 8897..9353, 10024..10149, 11230..11331, 11570..11693, 11828..11905		

Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62621	Strand	-
Start	6279	End	12784
Name	OJ990429_23.9924.C1.o2.np	Method	AAT/NAP
Start	6285	End	12784
GI	4741195	Score	1730
Exons	6285..6581, 6681..6769, 6885..6990, 7072..7200, 7750..7834,		

	7959..8068, 8349..8549, 8989..9353, 9853..9936, 10024..10149, 10319..10481, 10596..10754, 10998..11028, 11065..11158, 11230..11589, 12433..12513, 12544..12784		
GI Descrip.	(AL049746) ABC transporter-like protein [Arabidopsis thaliana]		
Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62622	Strand	-
Start	15212	End	15643
Name	OJ990429_23.9924.C1.o6.gs	Method	GENSCAN
Start	15212	End	15643
GI	none	Score	.98
Exons	15212..15643		
Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62623	Strand	-
Start	17401	End	18394
Name	OJ990429_23.9924.C1.o2.tc	Method	TBLASTX:Cress
Start	78	End	1705
GI	none	Score	76
Exons	78..275, 78..278, 78..278, 87..260, 87..191, 90..278, 90..278, 90..278, 90..263, 93..278, 129..272, 264..542, 269..469, 282..539, 282..662, 285..542, 285..539, 285..542, 288..614, 288..545, 288..542, 288..401, 345..542, 432..614, 453..614, 485..616, 1598..1705		
Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62623	Strand	-
Start	17401	End	18394
Name	OJ990429_23.9924.C1.o3.ts	Method	TBLASTX:Soybean
Start	78	End	620
GI	none	Score	118
Exons	78..284, 78..230, 78..182, 87..308, 90..308, 285..545, 285..542, 287..346, 287..547, 288..401, 288..542, 288..542, 288..467, 351..542, 374..613, 591..620		
Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62623	Strand	-
Start	17401	End	18394
Name	OJ990429_23.9924.C1.o2.tw	Method	TBLASTX:Wheat
Start	78	End	476
GI	none	Score	107
Exons	78..233, 92..205, 180..476		
Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62623	Strand	-
Start	17401	End	18394
Name	OJ990429_23.9924.C1.o4.tm	Method	TBLASTX:Maize
Start	93	End	545
GI	none	Score	259
Exons	93..542, 282..368, 285..404, 311..511, 384..545		
Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62623	Strand	-
Start	17401	End	18394
Name	OJ990429_23.9924.C1.o1.tc	Method	TBLASTX:Cress
Start	876	End	1328
GI	none	Score	288

Exons	876..1190, 893..1189, 1099..1194, 1287..1328		
Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62623	Strand	-
Start	17401	End	18394
Name	OJ990429_23.9924.C1.o1.ts	Method	TBLASTX:Soybean
Start	876	End	1783
GI	none	Score	91
Exons	876..965, 878..958, 983..1171, 984..1181, 1068..1178, 1200..1403, 1229..1384, 1251..1403, 1437..1466, 1597..1773, 1598..1783		
Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62623	Strand	-
Start	17401	End	18394
Name	OJ990429_23.9924.C1.o1.tm	Method	TBLASTX:Maize
Start	1016	End	1460
GI	none	Score	390
Exons	1016..1372, 1017..1460		
Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62623	Strand	-
Start	17401	End	18394
Name	OJ990429_23.9924.C1.o3.tm	Method	TBLASTX:Maize
Start	1571	End	1899
GI	none	Score	226
Exons	1571..1792, 1597..1797, 1797..1880, 1816..1893, 1817..1894, 1819..1899		
Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62623	Strand	-
Start	17401	End	18394
Name	OJ990429_23.9924.C1.o5.tm	Method	TBLASTX:Maize
Start	6312	End	6492
GI	none	Score	145
Exons	6312..6491, 6313..6492		
Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62623	Strand	-
Start	17401	End	18394
Name	OJ990429_23.9924.C1.o2.tm	Method	TBLASTX:Maize
Start	6498	End	7141
GI	none	Score	65
Exons	6498..6593, 6678..6779, 6679..6768, 6874..6993, 6884..6991, 7060..7140, 7061..7141		
Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62623	Strand	-
Start	17401	End	18394
Name	OJ990429_23.9924.C1.o2.ts	Method	TBLASTX:Soybean
Start	6874	End	7990
GI	none	Score	129
Exons	6874..6993, 6884..6991, 6887..7054, 6992..7045, 7060..7194, 7070..7201, 7075..7203, 7732..7827, 7766..7834, 7958..7990, 7959..7982		
Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1

Gene No.	62623	Strand	-
Start	17401	End	18394
Name	OJ990429_23.9924.C1.o6.tm	Method	TBLASTX:Maize
Start	8455	End	9943
GI	none	Score	62
Exons	8455..8550, 8457..8552, 9109..9348, 9139..9333, 9866..9943		

Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62623	Strand	-
Start	17401	End	18394
Name	OJ990429_23.9924.C1.o1.tw	Method	TBLASTX:Wheat
Start	9100	End	9348
GI	none	Score	116
Exons	9100..9348, 9136..9348		

Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62623	Strand	-
Start	17401	End	18394
Name	OJ990429_23.9924.C1.o3.tc	Method	TBLASTX:Cress
Start	9851	End	10165
GI	none	Score	108
Exons	9851..9937, 10020..10154, 10022..10165		

Seq. No.	30281	Seq. ID	OJ990429_23.9924.C1
Gene No.	62623	Strand	-
Start	17401	End	18394
Name	OJ990429_23.9924.C1.o7.gs	Method	GENSCAN
Start	17401	End	18394
GI	none	Score	.46
Exons	17401..17655, 17895..17965, 18036..18095, 18247..18394		

Seq. No.	30282	Seq. ID	OJ990429_23.9924.C2
Gene No.	62624	Strand	+
Start	1891	End	2837
Name	OJ990429_23.9924.C2.o1.gs	Method	GENSCAN
Start	1891	End	2837
GI	none	Score	.41
Exons	1891..2098, 2120..2343, 2718..2837		

Seq. No.	30282	Seq. ID	OJ990429_23.9924.C2
Gene No.	62625	Strand	+
Start	18274	End	20154
Name	OJ990429_23.9924.C2.o3.np	Method	AAT/NAP
Start	18274	End	19850
GI	114655	Score	145
Exons	18274..18307, 19711..19850		
GI Descrip.	ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) gi|2118207|pir||S10174 H+-transporting ATP synthase (EC 3.6.1.34) chain a - maize chloroplast gi|12410|emb|CAA36513| (X52270) atpI gene product (AA 1-247) [Zea mays] gi|902216|emb|CAA60280| (X86563) ATPase a subunit [Zea mays]		

Seq. No.	30282	Seq. ID	OJ990429_23.9924.C2
Gene No.	62625	Strand	+
Start	18274	End	20154
Name	OJ990429_23.9924.C2.o1.gp	Method	AAT/GAP
Start	19738	End	20154

GI	LIB3477-011-P1-K1-C10	Score	206
Exons	19738..19853, 20119..20154		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 2.0e-34 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		

Seq. No.	30282	Seq. ID	OJ990429_23.9924.C2
Gene No.	62626	Strand	-
Start	3204	End	9194
Name	OJ990429_23.9924.C2.o1.np	Method	AAT/NAP
Start	3180	End	6715
GI	2130082	Score	1809
Exons	3180..3562, 3700..5850, 6206..6715		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133) receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi|1586408|prf||2203451A receptor kinase-like protein [Oryza sativa]		

Seq. No.	30282	Seq. ID	OJ990429_23.9924.C2
Gene No.	62626	Strand	-
Start	3204	End	9194
Name	OJ990429_23.9924.C2.o2.gs	Method	GENSCAN
Start	3204	End	9194
GI	none	Score	.55
Exons	3204..3562, 3700..6849, 6931..7242, 9077..9194		

Seq. No.	30282	Seq. ID	OJ990429_23.9924.C2
Gene No.	62627	Strand	-
Start	9940	End	12347
Name	OJ990429_23.9924.C2.o3.gs	Method	GENSCAN
Start	9940	End	12347
GI	none	Score	.42
Exons	9940..10080, 10590..10793, 11752..11849, 12080..12204, 12292..12347		

Seq. No.	30282	Seq. ID	OJ990429_23.9924.C2
Gene No.	62628	Strand	-
Start	17655	End	21147
Name	OJ990429_23.9924.C2.o3.tm	Method	TBLASTX:Maize
Start	3261	End	3602
GI	none	Score	63
Exons	3261..3338, 3261..3347, 3262..3339, 3370..3564, 3381..3602, 3381..3563		

Seq. No.	30282	Seq. ID	OJ990429_23.9924.C2
Gene No.	62628	Strand	-
Start	17655	End	21147
Name	OJ990429_23.9924.C2.o1.ts	Method	TBLASTX:Soybean
Start	3378	End	18037
GI	none	Score	108
Exons	3378..3563, 3701..3967, 3780..3923, 3788..3934, 3959..4174, 3983..4180, 3993..4181, 4199..4288, 4206..4271, 17732..17929, 17742..17930, 17948..18037, 17949..18020		

Seq. No.	30282	Seq. ID	OJ990429_23.9924.C2
Gene No.	62628	Strand	-
Start	17655	End	21147
Name	OJ990429_23.9924.C2.o1.tc	Method	TBLASTX:Cress
Start	3453	End	17881
GI	none	Score	67
Exons	3453..3542, 3782..3949, 3783..3950, 3980..4033, 3981..4016, 4046..4132, 4547..4600, 4547..4780, 4547..4879, 4547..4684, 4550..4885, 4550..4744, 4553..4600, 4553..4879, 4553..4885, 4553..4873, 4553..4882, 4604..4885, 4631..4825, 4676..4879, 4688..4753, 4772..4882, 4859..5242, 4883..5236, 4883..5191, 4883..5047, 4886..5251, 4889..5257, 4907..5251, 4907..5209, 4917..5048, 4922..5083, 4979..5257, 5000..5191, 5042..5227, 5088..5228, 5132..5251, 5132..5335, 5144..5254, 5375..5428, 5423..5779, 5426..5557, 5426..5614, 5429..5575, 5438..5548, 5564..6271, 5564..5803, 5564..6058, 5567..6352, 5567..5869, 5567..5995, 5639..5941, 5702..6478, 5708..6013, 5711..5770, 5741..5926, 5774..6508, 5789..5920, 5864..6157, 5864..5914, 5918..6061, 5936..6268, 6029..6208, 6134..6445, 6215..6481, 6221..6334, 6245..6427, 6284..6478, 6362..6487, 6500..6532, 6554..6586, 17729..17782, 17780..17881		

Seq. No.	30282	Seq. ID	OJ990429_23.9924.C2
Gene No.	62628	Strand	-
Start	17655	End	21147
Name	OJ990429_23.9924.C2.o1.tm	Method	TBLASTX:Maize
Start	3707	End	17897
GI	none	Score	84
Exons	3707..3751, 3776..4147, 3792..3923, 3981..4136, 17654..17896, 17730..17897		

Seq. No.	30282	Seq. ID	OJ990429_23.9924.C2
Gene No.	62628	Strand	-
Start	17655	End	21147
Name	OJ990429_23.9924.C2.o1.tw	Method	TBLASTX:Wheat
Start	4481	End	6649
GI	none	Score	60
Exons	4481..4708, 4553..4672, 4571..4879, 4640..4885, 4890..5114, 5567..5848, 5591..5917, 5663..5974, 5724..5897, 5807..6118, 5859..5876, 5879..6190, 6023..6334, 6095..6421, 6110..6364, 6167..6490, 6503..6649		

Seq. No.	30282	Seq. ID	OJ990429_23.9924.C2
Gene No.	62628	Strand	-
Start	17655	End	21147
Name	OJ990429_23.9924.C2.o2.ts	Method	TBLASTX:Soybean
Start	4547	End	6493
GI	none	Score	63
Exons	4547..4879, 4550..4882, 4550..4879, 4550..4816, 4553..4888, 4553..4681, 4553..4879, 4553..4882, 4883..5227, 4886..5263, 4889..5242, 4889..5227, 4890..5036, 4908..5144, 4913..5236, 4914..5150, 4977..5105, 4980..5147, 4991..5251, 4998..5225, 5321..5425, 5375..5557, 5426..5560, 5429..5539, 5564..6136, 5567..6199, 5585..6271, 5651..6352, 5723..6424, 5795..6487, 6003..6188, 6149..6223, 6149..6487, 6227..6493		

Seq. No.	30282	Seq. ID	OJ990429_23.9924.C2

Gene No.	62628	Strand	-
Start	17655	End	21147
Name	OJ990429_23.9924.C2.o2.tm	Method	TBLASTX:Maize
Start	4550	End	6493
GI	none	Score	71
Exons	4550..4879, 4550..4669, 4553..4663, 4607..4879, 4679..4885, 4883..5083, 4883..5038, 4889..5083, 4898..5257, 4907..5251, 4908..5072, 4913..5026, 4986..5147, 4988..5242, 5132..5254, 5375..5548, 5429..5608, 5429..5557, 5564..5896, 5567..5839, 5567..5830, 5576..6046, 5639..6118, 5708..6190, 5792..6262, 5852..6340, 5864..6130, 5894..6334, 5936..6199, 5936..6406, 5996..6478, 6005..6274, 6080..6349, 6212..6493		

Seq. No.	30282	Seq. ID	OJ990429_23.9924.C2
Gene No.	62628	Strand	-
Start	17655	End	21147
Name	OJ990429_23.9924.C2.o2.tw	Method	TBLASTX:Wheat
Start	5150	End	5429
GI	none	Score	99
Exons	5150..5428, 5196..5429		

Seq. No.	30282	Seq. ID	OJ990429_23.9924.C2
Gene No.	62628	Strand	-
Start	17655	End	21147
Name	OJ990429_23.9924.C2.o2.np	Method	AAT/NAP
Start	17655	End	21147
GI	2130082	Score	295
Exons	17655..18243, 21111..21147		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133) receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi|1586408|prf||2203451A receptor kinase-like protein [Oryza sativa]		

Seq. No.	30283	Seq. ID	OJ990429_23.9924.C3
Gene No.	62629	Strand	+
Start	325	End	5027
Name	OJ990429_23.9924.C3.o1.gs	Method	GENSCAN
Start	325	End	4736
GI	none	Score	.4
Exons	325..392, 1346..1490, 1495..1711, 2697..2889, 3164..3298, 4496..4736		

Seq. No.	30283	Seq. ID	OJ990429_23.9924.C3
Gene No.	62629	Strand	+
Start	325	End	5027
Name	OJ990429_23.9924.C3.o2.np	Method	AAT/NAP
Start	2625	End	2972
GI	6630699	Score	76
Exons	2625..2972		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	30283	Seq. ID	OJ990429_23.9924.C3
Gene No.	62629	Strand	+
Start	325	End	5027

Name	OJ990429_23.9924.C3.o3.np	Method	AAT/NAP
Start	3099	End	5027
GI	6539570	Score	175
Exons	3099..3302, 3492..3565, 5000..5027		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	30283	Seq. ID	OJ990429_23.9924.C3
Gene No.	62630	Strand	-
Start	546	End	1875
Name	OJ990429_23.9924.C3.o1.np	Method	AAT/NAP
Start	546	End	1875
GI	5922620	Score	440
Exons	546..625, 1265..1549, 1639..1875		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30284	Seq. ID	OJ990429_23.9924.C4
Gene No.	62631	Strand	+
Start	209	End	481
Name	OJ990429_23.9924.C4.o1.gs	Method	GENSCAN
Start	209	End	481
GI	none	Score	.57
Exons	209..295, 434..481		

Seq. No.	30284	Seq. ID	OJ990429_23.9924.C4
Gene No.	62632	Strand	-
Start	1408	End	1515
Name	OJ990429_23.9924.C4.o1.np	Method	AAT/NAP
Start	1408	End	1515
GI	5922619	Score	69
Exons	1408..1515		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	30285	Seq. ID	OJ990429_23.9924.C5
Gene No.	62633	Strand	+
Start	1	End	1191
Name	OJ990429_23.9924.C5.o1.np	Method	AAT/NAP
Start	1	End	1185
GI	5734739	Score	818
Exons	1..235, 706..1185		
GI Descrip.	(AC007259) Similar to syntaxin [Arabidopsis thaliana]		

Seq. No.	30285	Seq. ID	OJ990429_23.9924.C5
Gene No.	62633	Strand	+
Start	1	End	1191
Name	OJ990429_23.9924.C5.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1010
GI	none	Score	239
Exons	1..231, 2..232, 691..1008, 729..1010		

Seq. No.	30285	Seq. ID	OJ990429_23.9924.C5
Gene No.	62633	Strand	+

Start	1	End	1191
Name	OJ990429_23.9924.C5.o1.tc	Method	TBLASTX:Cress
Start	2	End	1107
GI	none	Score	231
Exons	2..232, 13..231, 688..1107, 708..1106		

Seq. No.	30285	Seq. ID	OJ990429_23.9924.C5
Gene No.	62633	Strand	+
Start	1	End	1191
Name	OJ990429_23.9924.C5.o1.gs	Method	GENSCAN
Start	44	End	1191
GI	none	Score	.68
Exons	44..235, 706..1191		

Seq. No.	30285	Seq. ID	OJ990429_23.9924.C5
Gene No.	62633	Strand	+
Start	1	End	1191
Name	OJ990429_23.9924.C5.o1.tm	Method	TBLASTX:Maize
Start	673	End	1107
GI	none	Score	403
Exons	673..1107, 711..1031		

Seq. No.	30285	Seq. ID	OJ990429_23.9924.C5
Gene No.	62633	Strand	+
Start	1	End	1191
Name	OJ990429_23.9924.C5.o1.tw	Method	TBLASTX:Wheat
Start	709	End	1086
GI	none	Score	356
Exons	709..1086, 717..1085		

Seq. No.	30286	Seq. ID	OJ990429_23.9924.C6
Gene No.	62634	Strand	-
Start	35	End	511
Name	OJ990429_23.9924.C6.o1.gs	Method	GENSCAN
Start	35	End	511
GI	none	Score	1
Exons	35..511		

Seq. No.	30287	Seq. ID	OJ990429_23.9924.C7
Gene No.	62635	Strand	+
Start	278	End	1157
Name	OJ990429_23.9924.C7.o1.gs	Method	GENSCAN
Start	278	End	1157
GI	none	Score	.73
Exons	278..349, 1032..1157		

Seq. No.	30287	Seq. ID	OJ990429_23.9924.C7
Gene No.	62636	Strand	+
Start	1895	End	2220
Name	OJ990429_23.9924.C7.o2.gs	Method	GENSCAN
Start	1895	End	2220
GI	none	Score	.85
Exons	1895..2021, 2147..2220		

Seq. No.	30287	Seq. ID	OJ990429_23.9924.C7
Gene No.	62637	Strand	+
Start	7028	End	7570

Name	OJ990429_23.9924.C7.o3.gs	Method	GENSCAN
Start	7028	End	7570
GI	none	Score	.97
Exons	7028..7570		

Seq. No.	30287	Seq. ID	OJ990429_23.9924.C7
Gene No.	62638	Strand	+
Start	10489	End	10644
Name	OJ990429_23.9924.C7.o4.gs	Method	GENSCAN
Start	10489	End	10644
GI	none	Score	.92
Exons	10489..10644		

Seq. No.	30287	Seq. ID	OJ990429_23.9924.C7
Gene No.	62639	Strand	+
Start	10550	End	10980
Name	OJ990429_23.9924.C7.o1.gp	Method	AAT/GAP
Start	10550	End	10980
GI	87037_1.R1084	Score	802
Exons	10550..10980		
GI Descrip.	'5902363/gb|AAD55465.1|AC009322_5 2.0e-40 (AC009322) Putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]'		

Seq. No.	30287	Seq. ID	OJ990429_23.9924.C7
Gene No.	62640	Strand	+
Start	11936	End	16965
Name	OJ990429_23.9924.C7.o5.gs	Method	GENSCAN
Start	11936	End	16756
GI	none	Score	.64
Exons	11936..12031, 12098..12253, 12431..12813, 15191..15330, 15387..15514, 15692..15787, 15841..15954, 16515..16551, 16627..16756		

Seq. No.	30287	Seq. ID	OJ990429_23.9924.C7
Gene No.	62640	Strand	+
Start	11936	End	16965
Name	OJ990429_23.9924.C7.o3.np	Method	AAT/NAP
Start	12431	End	12609
GI	2462835	Score	100
Exons	12431..12609		
GI Descrip.	(AF000657) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30287	Seq. ID	OJ990429_23.9924.C7
Gene No.	62640	Strand	+
Start	11936	End	16965
Name	OJ990429_23.9924.C7.o2.gp	Method	AAT/GAP
Start	15286	End	16862
GI	3760098	Score	711
Exons	15286..15330, 15618..15638, 15726..15787, 15900..15954, 16515..16551, 16627..16862		
GI Descrip.	5902363/gb|AAD55465.1|AC009322_5 2.0e-40 (AC009322) Putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		

Seq. No.	30287	Seq. ID	OJ990429_23.9924.C7
Gene No.	62640	Strand	+

Start	11936	End	16965
Name	OJ990429_23.9924.C7.o4.np	Method	AAT/NAP
Start	15615	End	16965
GI	5902363	Score	725
Exons	15615..15638, 15726..15787, 15900..15954, 16515..16551, 16627..16965		
GI Descrip.	(AC009322) Putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		

Seq. No.	30287	Seq. ID	OJ990429_23.9924.C7
Gene No.	62641	Strand	-
Start	919	End	1293
Name	OJ990429_23.9924.C7.o1.np	Method	AAT/NAP
Start	919	End	1293
GI	2435542	Score	71
Exons	919..1077, 1195..1293		
GI Descrip.	(AF026204) No definition line found [Caenorhabditis elegans]		

Seq. No.	30287	Seq. ID	OJ990429_23.9924.C7
Gene No.	62642	Strand	
Start	12431	End	12628
Name	OJ990429_23.9924.C7.o2.ts	Method	TBLASTX:Soybean
Start	12431	End	12628
GI	none	Score	190
Exons	12431..12628, 12475..12606		

Seq. No.	30287	Seq. ID	OJ990429_23.9924.C7
Gene No.	62643	Strand	
Start	15723	End	16965
Name	OJ990429_23.9924.C7.o1.ts	Method	TBLASTX:Soybean
Start	15723	End	16957
GI	none	Score	81
Exons	15723..15788, 15746..15787, 15900..15986, 15901..15987, 16610..16789, 16626..16838, 16626..16955, 16859..16957		

Seq. No.	30287	Seq. ID	OJ990429_23.9924.C7
Gene No.	62643	Strand	
Start	15723	End	16965
Name	OJ990429_23.9924.C7.o1.tm	Method	TBLASTX:Maize
Start	16653	End	16964
GI	none	Score	98
Exons	16653..16808, 16692..16955, 16692..16964, 16694..16957, 16779..16832, 16848..16907		

Seq. No.	30287	Seq. ID	OJ990429_23.9924.C7
Gene No.	62643	Strand	
Start	15723	End	16965
Name	OJ990429_23.9924.C7.o1.tc	Method	TBLASTX:Cress
Start	16688	End	16965
GI	none	Score	452
Exons	16688..16951, 16689..16955, 16692..16964, 16693..16965		

Seq. No.	30287	Seq. ID	OJ990429_23.9924.C7
Gene No.	62643	Strand	
Start	15723	End	16965
Name	OJ990429_23.9924.C7.o1.tw	Method	TBLASTX:Wheat
Start	16710	End	16957

GI	none	Score	185
Exons	16710..16952, 16714..16953, 16715..16957, 16868..16957		

Seq. No.	30288	Seq. ID	OJ990429_23.9924.C8
Gene No.	62644	Strand	+
Start	1	End	1315
Name	OJ990429_23.9924.C8.o1.np	Method	AAT/NAP
Start	1	End	1315
GI	6453853	Score	270
Exons	1..184, 1271..1315		
GI Descrip.	(AC011717) putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		

Seq. No.	30288	Seq. ID	OJ990429_23.9924.C8
Gene No.	62644	Strand	+
Start	1	End	1315
Name	OJ990429_23.9924.C8.o1.tc	Method	TBLASTX:Cress
Start	18	End	1313
GI	none	Score	249
Exons	18..200, 35..187, 1263..1313		

Seq. No.	30288	Seq. ID	OJ990429_23.9924.C8
Gene No.	62644	Strand	+
Start	1	End	1315
Name	OJ990429_23.9924.C8.o1.ts	Method	TBLASTX:Soybean
Start	18	End	1313
GI	none	Score	262
Exons	18..200, 35..187, 1263..1313		

Seq. No.	30288	Seq. ID	OJ990429_23.9924.C8
Gene No.	62644	Strand	+
Start	1	End	1315
Name	OJ990429_23.9924.C8.o1.tm	Method	TBLASTX:Maize
Start	18	End	1314
GI	none	Score	129
Exons	18..125, 33..113, 77..187, 108..200, 1263..1313, 1264..1314		

Seq. No.	30289	Seq. ID	OJ990429_23.9924.C10
Gene No.	62645	Strand	+
Start	2344	End	2745
Name	OJ990429_23.9924.C10.o1.gp	Method	AAT/GAP
Start	2344	End	2745
GI	7406_1.R1084	Score	646
Exons	2344..2745		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	30289	Seq. ID	OJ990429_23.9924.C10
Gene No.	62646	Strand	-
Start	587	End	1418
Name	OJ990429_23.9924.C10.o1.gs	Method	GENSCAN
Start	587	End	1418
GI	none	Score	.69
Exons	587..711, 1094..1181, 1347..1418		

Seq. No.	30289	Seq. ID	OJ990429_23.9924.C10
Gene No.	62647	Strand	-

Start	2353	End	5312
Name	OJ990429_23.9924.C10.o2.gs	Method	GENSCAN
Start	2353	End	5169
GI	none	Score	.68
Exons	2353..2475, 3805..3922, 3927..3974, 4038..4169, 4270..4325, 4416..4513, 4545..4665, 4758..5016, 5093..5169		

Seq. No.	30289	Seq. ID	OJ990429_23.9924.C10
Gene No.	62647	Strand	-
Start	2353	End	5312
Name	OJ990429_23.9924.C10.o1.np	Method	AAT/NAP
Start	3688	End	5312
GI	5441880	Score	1489
Exons	3688..3922, 4038..4169, 4416..4513, 4758..5016, 5093..5312		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	30289	Seq. ID	OJ990429_23.9924.C10
Gene No.	62647	Strand	-
Start	2353	End	5312
Name	OJ990429_23.9924.C10.o2.gp	Method	AAT/GAP
Start	4766	End	5265
GI	LIB3475-007-P1-K1-G8	Score	793
Exons	4766..5016, 5093..5265		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	30290	Seq. ID	OJ990429_23.9924.C11
Gene No.	62648	Strand	+
Start	6326	End	7357
Name	OJ990429_23.9924.C11.o3.np	Method	AAT/NAP
Start	6290	End	7315
GI	6862937	Score	1055
Exons	6290..7315		
GI Descrip.	(AC019018) putative lipase [Arabidopsis thaliana]		

Seq. No.	30290	Seq. ID	OJ990429_23.9924.C11
Gene No.	62648	Strand	+
Start	6326	End	7357
Name	OJ990429_23.9924.C11.o2.gs	Method	GENSCAN
Start	6326	End	7357
GI	none	Score	1
Exons	6326..7357		

Seq. No.	30290	Seq. ID	OJ990429_23.9924.C11
Gene No.	62649	Strand	-
Start	502	End	3736
Name	OJ990429_23.9924.C11.o1.np	Method	AAT/NAP
Start	502	End	3736
GI	5441880	Score	3124
Exons	502..881, 987..1137, 1696..2011, 2255..2286, 2731..3736		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	30290	Seq. ID	OJ990429_23.9924.C11
Gene No.	62649	Strand	-
Start	502	End	3736
Name	OJ990429_23.9924.C11.o1.gp	Method	AAT/GAP
Start	2701	End	3132
GI	5701669	Score	845
Exons	2701..3132		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	30290	Seq. ID	OJ990429_23.9924.C11
Gene No.	62650	Strand	-
Start	3749	End	4804
Name	OJ990429_23.9924.C11.o2.np	Method	AAT/NAP
Start	3749	End	4804
GI	6721543	Score	166
Exons	3749..3865, 4678..4804		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	30290	Seq. ID	OJ990429_23.9924.C11
Gene No.	62650	Strand	-
Start	3749	End	4804
Name	OJ990429_23.9924.C11.o2.gp	Method	AAT/GAP
Start	4642	End	4790
GI	7406_1.R1084	Score	230
Exons	4642..4790		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	30290	Seq. ID	OJ990429_23.9924.C11
Gene No.	62651	Strand	-
Start	6245	End	6446
Name	OJ990429_23.9924.C11.o3.gp	Method	AAT/GAP
Start	6245	End	6446
GI	none	Score	376
Exons	6245..6446		

Seq. No.	30290	Seq. ID	OJ990429_23.9924.C11
Gene No.	62652	Strand	-
Start	8592	End	9143
Name	OJ990429_23.9924.C11.o2.tw	Method	TBLASTX:Wheat
Start	392	End	823
GI	none	Score	99
Exons	392..424, 542..577, 632..760, 642..761, 770..823		

Seq. No.	30290	Seq. ID	OJ990429_23.9924.C11
Gene No.	62652	Strand	-
Start	8592	End	9143
Name	OJ990429_23.9924.C11.o1.tw	Method	TBLASTX:Wheat
Start	2501	End	2881
GI	none	Score	79
Exons	2501..2677, 2531..2677, 2562..2681, 2675..2872, 2687..2881		

Seq. No.	30290	Seq. ID	OJ990429_23.9924.C11
Gene No.	62652	Strand	-
Start	8592	End	9143

Name	OJ990429_23.9924.C11.o2.tm	Method	TBLASTX:Maize
Start	2579	End	3175
GI	none	Score	151
Exons	2579..2650, 2714..3013, 2775..2996, 3047..3175, 3069..3167		

Seq. No.	30290	Seq. ID	OJ990429_23.9924.C11
Gene No.	62652	Strand	-
Start	8592	End	9143
Name	OJ990429_23.9924.C11.o1.ts	Method	TBLASTX:Soybean
Start	6365	End	7300
GI	none	Score	41
Exons	6365..6397, 6389..6484, 6503..6805, 6503..6622, 6673..6804, 6811..7149, 6812..7300, 6911..7267		

Seq. No.	30290	Seq. ID	OJ990429_23.9924.C11
Gene No.	62652	Strand	-
Start	8592	End	9143
Name	OJ990429_23.9924.C11.o1.tc	Method	TBLASTX:Cress
Start	6389	End	6955
GI	none	Score	105
Exons	6389..6505, 6493..6609, 6494..6805, 6670..6804, 6812..6955, 6817..6951		

Seq. No.	30290	Seq. ID	OJ990429_23.9924.C11
Gene No.	62652	Strand	-
Start	8592	End	9143
Name	OJ990429_23.9924.C11.o1.tm	Method	TBLASTX:Maize
Start	6503	End	7285
GI	none	Score	179
Exons	6503..6799, 6812..6868, 6926..7285		

Seq. No.	30290	Seq. ID	OJ990429_23.9924.C11
Gene No.	62652	Strand	-
Start	8592	End	9143
Name	OJ990429_23.9924.C11.o3.tw	Method	TBLASTX:Wheat
Start	6569	End	7000
GI	none	Score	155
Exons	6569..6799, 6676..6798, 6806..7000		

Seq. No.	30290	Seq. ID	OJ990429_23.9924.C11
Gene No.	62652	Strand	-
Start	8592	End	9143
Name	OJ990429_23.9924.C11.o2.tc	Method	TBLASTX:Cress
Start	6962	End	7300
GI	none	Score	74
Exons	6962..7039, 7093..7137, 7094..7300, 7157..7267		

Seq. No.	30290	Seq. ID	OJ990429_23.9924.C11
Gene No.	62652	Strand	-
Start	8592	End	9143
Name	OJ990429_23.9924.C11.o3.gs	Method	GENSCAN
Start	8592	End	9143
GI	none	Score	.71
Exons	8592..8729, 9036..9143		

Seq. No.	30291	Seq. ID	OJ990429_23.9924.C13
Gene No.	62653	Strand	+

Start	438	End	681
Name	OJ990429_23.9924.C13.o1.np	Method	AAT/NAP
Start	438	End	681
GI	2498930	Score	42
Exons	438..681		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	30291	Seq. ID	OJ990429_23.9924.C13
Gene No.	62653	Strand	+
Start	438	End	681
Name	OJ990429_23.9924.C13.o1.gs	Method	GENSCAN
Start	449	End	508
GI	none	Score	.99
Exons	449..508		

Seq. No.	30292	Seq. ID	OJ990429_23.9924.C14
Gene No.	62654	Strand	+
Start	178	End	763
Name	OJ990429_23.9924.C14.o1.gp	Method	AAT/GAP
Start	178	End	763
GI	17063_1.R1084	Score	402
Exons	178..352, 674..763		
GI Descrip.	'5902363/gb|AAD55465.1|AC009322_5 2.0e-40 (AC009322) Putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]'		

Seq. No.	30292	Seq. ID	OJ990429_23.9924.C14
Gene No.	62654	Strand	+
Start	178	End	763
Name	OJ990429_23.9924.C14.o1.gs	Method	GENSCAN
Start	184	End	333
GI	none	Score	.96
Exons	184..333		

Seq. No.	30292	Seq. ID	OJ990429_23.9924.C14
Gene No.	62654	Strand	+
Start	178	End	763
Name	OJ990429_23.9924.C14.o1.tm	Method	TBLASTX:Maize
Start	190	End	716
GI	none	Score	65
Exons	190..243, 190..252, 220..252, 232..351, 232..321, 252..353, 270..353, 675..716		

Seq. No.	30293	Seq. ID	OJ990429_23.9924.C15
Gene No.	62655	Strand	+
Start	1	End	2923
Name	OJ990429_23.9924.C15.o1.np	Method	AAT/NAP
Start	1	End	2923
GI	6453853	Score	1256
Exons	1..29, 181..328, 419..493, 582..758, 854..945, 1026..1142, 1218..1332, 1414..1485, 2492..2688, 2788..2923		
GI Descrip.	(AC011717) putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		

Seq. No.	30293	Seq. ID	OJ990429_23.9924.C15
Gene No.	62655	Strand	+

Start	1	End	2923
Name	OJ990429_23.9924.C15.o1.tc	Method	TBLASTX:Cress
Start	149	End	1341
GI	none	Score	206
Exons	149..319, 182..328, 187..327, 415..519, 419..493, 576..764, 631..741, 671..766, 692..766, 843..905, 851..907, 853..909, 873..917, 893..943, 1023..1142, 1030..1140, 1215..1301, 1216..1302, 1216..1329, 1297..1341		

Seq. No.	30293	Seq. ID	OJ990429_23.9924.C15
Gene No.	62655	Strand	+
Start	1	End	2923
Name	OJ990429_23.9924.C15.o1.tm	Method	TBLASTX:Maize
Start	182	End	2890
GI	none	Score	221
Exons	182..328, 182..325, 186..326, 187..327, 415..492, 419..493, 576..764, 583..744, 665..769, 840..944, 851..943, 851..949, 853..945, 853..951, 1023..1157, 1024..1155, 1165..1323, 1185..1343, 1216..1332, 1411..1500, 1412..1453, 1416..1505, 2481..2573, 2489..2686, 2491..2688, 2500..2688, 2616..2723, 2785..2883, 2786..2890, 2790..2885		

Seq. No.	30293	Seq. ID	OJ990429_23.9924.C15
Gene No.	62655	Strand	+
Start	1	End	2923
Name	OJ990429_23.9924.C15.o1.ts	Method	TBLASTX:Soybean
Start	182	End	2884
GI	none	Score	216
Exons	182..328, 187..327, 197..328, 410..508, 415..519, 419..493, 576..764, 627..764, 647..766, 851..943, 853..945, 867..944, 1023..1157, 1024..1155, 1027..1206, 1215..1328, 1216..1332, 1411..1500, 1416..1505, 2468..2686, 2491..2688, 2499..2693, 2785..2883, 2786..2884		

Seq. No.	30293	Seq. ID	OJ990429_23.9924.C15
Gene No.	62655	Strand	+
Start	1	End	2923
Name	OJ990429_23.9924.C15.o3.tw	Method	TBLASTX:Wheat
Start	185	End	328
GI	none	Score	207
Exons	185..328, 187..324		

Seq. No.	30293	Seq. ID	OJ990429_23.9924.C15
Gene No.	62655	Strand	+
Start	1	End	2923
Name	OJ990429_23.9924.C15.o1.gs	Method	GENSCAN
Start	299	End	2881
GI	none	Score	.88
Exons	299..328, 419..493, 582..758, 854..945, 1026..1142, 1218..1323, 1414..1485, 2492..2688, 2788..2881		

Seq. No.	30293	Seq. ID	OJ990429_23.9924.C15
Gene No.	62655	Strand	+
Start	1	End	2923
Name	OJ990429_23.9924.C15.o1.tw	Method	TBLASTX:Wheat
Start	418	End	1334
GI	none	Score	125

Exons	418..492, 419..493, 419..493, 423..515, 424..516, 576..764, 579..722, 586..744, 668..766, 851..943, 853..945, 853..945, 869..946, 1023..1142, 1024..1137, 1033..1155, 1165..1332, 1173..1334, 1216..1329		
Seq. No.	30293	Seq. ID	OJ990429_23.9924.C15
Gene No.	62655	Strand	+
Start	1	End	2923
Name	OJ990429_23.9924.C15.o1.gp	Method	AAT/GAP
Start	591	End	1089
GI	LIB3475-001-P1-K2-C6	Score	584
Exons	591..758, 854..945, 1026..1089		
GI Descrip.	'5902363/gb|AAD55465.1|AC009322_5 3.0e-43 (AC009322) Putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]'		
Seq. No.	30293	Seq. ID	OJ990429_23.9924.C15
Gene No.	62655	Strand	+
Start	1	End	2923
Name	OJ990429_23.9924.C15.o2.gp	Method	AAT/GAP
Start	1301	End	2923
GI	17063_1.R1084	Score	685
Exons	1301..1332, 1414..1485, 2492..2688, 2788..2923		
GI Descrip.	'5902363/gb|AAD55465.1|AC009322_5 2.0e-40 (AC009322) Putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]'		
Seq. No.	30293	Seq. ID	OJ990429_23.9924.C15
Gene No.	62655	Strand	+
Start	1	End	2923
Name	OJ990429_23.9924.C15.o2.tw	Method	TBLASTX:Wheat
Start	2303	End	2884
GI	none	Score	116
Exons	2303..2425, 2611..2688, 2612..2686, 2614..2688, 2767..2868, 2772..2867, 2783..2875, 2784..2882, 2785..2883, 2786..2884		
Seq. No.	30293	Seq. ID	OJ990429_23.9924.C15
Gene No.	62655	Strand	+
Start	1	End	2923
Name	OJ990429_23.9924.C15.o2.tc	Method	TBLASTX:Cress
Start	2582	End	2884
GI	none	Score	138
Exons	2582..2686, 2585..2674, 2599..2688, 2783..2881, 2785..2883, 2786..2884		
Seq. No.	30294	Seq. ID	OJ990429_23.9924.C16
Gene No.	62656	Strand	+
Start	1	End	9206
Name	OJ990429_23.9924.C16.o1.gp	Method	AAT/GAP
Start	1	End	2888
GI	17063_1.R1084	Score	1532
Exons	1..48, 148..241, 718..824, 1101..1236, 1478..1646, 1957..2022, 2103..2385, 2856..2888		
GI Descrip.	'5902363/gb|AAD55465.1|AC009322_5 2.0e-40 (AC009322) Putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]'		

Seq. No.	30294	Seq. ID	OJ990429_23.9924.C16
Gene No.	62656	Strand	+
Start	1	End	9206
Name	OJ990429_23.9924.C16.o1.np	Method	AAT/NAP
Start	1	End	1618
GI	6453853	Score	342
Exons	1..48, 148..241, 718..824, 1101..1256, 1456..1618		
GI Descrip.	(AC011717) putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		

Seq. No.	30294	Seq. ID	OJ990429_23.9924.C16
Gene No.	62656	Strand	+
Start	1	End	9206
Name	OJ990429_23.9924.C16.o4.tm	Method	TBLASTX:Maize
Start	1	End	2264
GI	none	Score	75
Exons	1..48, 2..46, 145..243, 146..250, 714..806, 715..825, 717..812, 718..831, 1068..1190, 1093..1191, 1097..1201, 1099..1212, 1195..1239, 1208..1237, 1451..1534, 1451..1531, 1457..1546, 1484..1537, 1526..1615, 1526..1597, 1546..1620, 1557..1604, 1955..2044, 2134..2196, 2199..2264, 2200..2262		

Seq. No.	30294	Seq. ID	OJ990429_23.9924.C16
Gene No.	62656	Strand	+
Start	1	End	9206
Name	OJ990429_23.9924.C16.o2.ts	Method	TBLASTX:Soybean
Start	2	End	9206
GI	none	Score	71
Exons	2..46, 145..243, 146..244, 717..830, 717..803, 718..831, 1084..1188, 1110..1187, 1213..1242, 1472..1612, 1547..1612, 6807..6923, 6839..6919, 8125..8202, 8126..8206, 8127..8195, 8504..8680, 8520..8681, 8526..8681, 8759..8827, 8764..8823, 9165..9206, 9171..9206		

Seq. No.	30294	Seq. ID	OJ990429_23.9924.C16
Gene No.	62656	Strand	+
Start	1	End	9206
Name	OJ990429_23.9924.C16.o1.gs	Method	GENSCAN
Start	148	End	4623
GI	none	Score	.54
Exons	148..241, 718..824, 1101..1236, 1478..1598, 3483..3991, 4312..4623		

Seq. No.	30294	Seq. ID	OJ990429_23.9924.C16
Gene No.	62656	Strand	+
Start	1	End	9206
Name	OJ990429_23.9924.C16.o2.np	Method	AAT/NAP
Start	3498	End	5830
GI	6466937	Score	725
Exons	3498..4668, 5805..5830		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	30294	Seq. ID	OJ990429_23.9924.C16
Gene No.	62656	Strand	+
Start	1	End	9206
Name	OJ990429_23.9924.C16.o2.tm	Method	TBLASTX:Maize

Start	3554	End	4107
GI	none	Score	439
Exons	3554..3991, 3557..3769, 3580..3786, 3820..3987, 3975..4106, 3981..4106, 3991..4107		

Seq. No.	30294	Seq. ID	OJ990429_23.9924.C16
Gene No.	62656	Strand	+
Start	1	End	9206
Name	OJ990429_23.9924.C16.o3.ts	Method	TBLASTX:Soybean
Start	3554	End	3877
GI	none	Score	260
Exons	3554..3877, 3565..3786		

Seq. No.	30294	Seq. ID	OJ990429_23.9924.C16
Gene No.	62656	Strand	+
Start	1	End	9206
Name	OJ990429_23.9924.C16.o2.tw	Method	TBLASTX:Wheat
Start	3725	End	3988
GI	none	Score	222
Exons	3725..3988, 3820..3960		

Seq. No.	30294	Seq. ID	OJ990429_23.9924.C16
Gene No.	62656	Strand	+
Start	1	End	9206
Name	OJ990429_23.9924.C16.o3.tm	Method	TBLASTX:Maize
Start	4179	End	4868
GI	none	Score	277
Exons	4179..4412, 4192..4515, 4237..4473, 4614..4679, 4734..4868, 4735..4803		

Seq. No.	30294	Seq. ID	OJ990429_23.9924.C16
Gene No.	62656	Strand	+
Start	1	End	9206
Name	OJ990429_23.9924.C16.o1.tw	Method	TBLASTX:Wheat
Start	4198	End	4521
GI	none	Score	269
Exons	4198..4521, 4212..4484		

Seq. No.	30294	Seq. ID	OJ990429_23.9924.C16
Gene No.	62656	Strand	+
Start	1	End	9206
Name	OJ990429_23.9924.C16.o2.gp	Method	AAT/GAP
Start	4972	End	6643
GI	3760098	Score	951
Exons	4972..5111, 5404..5424, 5514..5575, 5687..5741, 6299..6335, 6408..6643		
GI Descrip.	5902363/gb|AAD55465.1|AC009322_5 2.0e-40 (AC009322) Putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		

Seq. No.	30294	Seq. ID	OJ990429_23.9924.C16
Gene No.	62656	Strand	+
Start	1	End	9206
Name	OJ990429_23.9924.C16.o2.gs	Method	GENSCAN
Start	5379	End	8827
GI	none	Score	.74
Exons	5379..5424, 5488..5575, 5687..5741, 6299..6335, 6408..6733,		

6831..6962, 8041..8201, 8528..8678, 8762..8827

Seq. No.	30294	Seq. ID	OJ990429_23.9924.C16
Gene No.	62656	Strand	+
Start	1	End	9206
Name	OJ990429_23.9924.C16.o3.np	Method	AAT/NAP
Start	5401	End	9206
GI	5902363	Score	1510
Exons	5401..5424, 5514..5575, 5687..5741, 6299..6335, 6408..6733, 6831..6962, 7032..7180, 8133..8201, 8528..8675, 8762..8827, 9169..9206		
GI Descrip.	(AC009322) Putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		

Seq. No.	30294	Seq. ID	OJ990429_23.9924.C16
Gene No.	62656	Strand	+
Start	1	End	9206
Name	OJ990429_23.9924.C16.o1.ts	Method	TBLASTX:Soybean
Start	5511	End	7202
GI	none	Score	77
Exons	5511..5576, 5534..5575, 5679..5741, 5688..5774, 6407..6619, 6407..6736, 6422..6553, 6602..6745, 6606..6746, 6640..6747, 6924..6965, 7032..7166, 7053..7121, 7089..7202, 7131..7163		

Seq. No.	30294	Seq. ID	OJ990429_23.9924.C16
Gene No.	62656	Strand	+
Start	1	End	9206
Name	OJ990429_23.9924.C16.o1.tm	Method	TBLASTX:Maize
Start	6434	End	7163
GI	none	Score	97
Exons	6434..6589, 6473..6736, 6473..6745, 6475..6738, 6560..6613, 6629..6688, 6828..6977, 6828..6962, 6833..6964, 7014..7148, 7029..7163, 7030..7149, 7031..7147		

Seq. No.	30294	Seq. ID	OJ990429_23.9924.C16
Gene No.	62656	Strand	+
Start	1	End	9206
Name	OJ990429_23.9924.C16.o1.tc	Method	TBLASTX:Cress
Start	6469	End	7163
GI	none	Score	452
Exons	6469..6732, 6470..6736, 6473..6745, 6474..6746, 6828..6956, 6828..6953, 6833..6958, 6924..6965, 7029..7163, 7053..7115		

Seq. No.	30294	Seq. ID	OJ990429_23.9924.C16
Gene No.	62656	Strand	+
Start	1	End	9206
Name	OJ990429_23.9924.C16.o3.tw	Method	TBLASTX:Wheat
Start	6491	End	6771
GI	none	Score	185
Exons	6491..6733, 6495..6734, 6496..6738, 6497..6763, 6504..6764, 6649..6771		

Seq. No.	30295	Seq. ID	OJ990429_23.9924.C18
Gene No.	62657	Strand	+
Start	11269	End	19388
Name	OJ990429_23.9924.C18.o2.gs	Method	GENSCAN
Start	11269	End	19049

GI	none	Score	.5
Exons	11269..11327, 12061..12189, 12253..12428, 13649..13791, 13866..14217, 14311..14338, 16358..16470, 16499..16583, 16994..17068, 17176..17357, 17597..17717, 18836..19049		

Seq. No.	30295	Seq. ID	OJ990429_23.9924.C18
Gene No.	62657	Strand	+
Start	11269	End	19388
Name	OJ990429_23.9924.C18.o2.np	Method	AAT/NAP
Start	14476	End	18128
GI	6815109	Score	179
Exons	14476..14509, 15649..15859, 18087..18128		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	30295	Seq. ID	OJ990429_23.9924.C18
Gene No.	62657	Strand	+
Start	11269	End	19388
Name	OJ990429_23.9924.C18.o3.np	Method	AAT/NAP
Start	15277	End	19388
GI	5042454	Score	329
Exons	15277..15327, 16143..16192, 17080..17468, 19336..19388		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	30295	Seq. ID	OJ990429_23.9924.C18
Gene No.	62658	Strand	-
Start	282	End	10900
Name	OJ990429_23.9924.C18.o1.gp	Method	AAT/GAP
Start	282	End	4380
GI	10522_1.R1084	Score	2661
Exons	282..939, 1438..1501, 1588..1714, 2034..2183, 2269..2373, 3949..4119, 4216..4380		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	30295	Seq. ID	OJ990429_23.9924.C18
Gene No.	62658	Strand	-
Start	282	End	10900
Name	OJ990429_23.9924.C18.o1.np	Method	AAT/NAP
Start	718	End	8533
GI	4584540	Score	444
Exons	718..1017, 2033..2138, 2287..2373, 3949..4090, 4225..4318, 4364..4474, 4541..4718, 4973..5143, 5180..5380, 5536..5622, 5709..5770, 5854..5952, 8393..8533		
GI Descrip.	(AL049608) putative protein [Arabidopsis thaliana]		

Seq. No.	30295	Seq. ID	OJ990429_23.9924.C18
Gene No.	62658	Strand	-
Start	282	End	10900
Name	OJ990429_23.9924.C18.o1.gs	Method	GENSCAN
Start	826	End	10900
GI	none	Score	.89
Exons	826..939, 1438..1501, 1588..1714, 2034..2183, 3949..4119, 4224..4706, 4858..5412, 5529..5622, 5854..5941, 7846..8052, 8435..8575, 8709..8825, 8883..9177, 10127..10146, 10840..10900		

Seq. No.	30295	Seq. ID	OJ990429_23.9924.C18

Gene No.	62659	Strand	-
Start	16980	End	19388
Name	OJ990429_23.9924.C18.o2.tm	Method	TBLASTX:Maize
Start	609	End	4665
GI	none	Score	54
Exons	609..677, 613..669, 697..756, 700..768, 701..778, 834..881, 836..880, 838..915, 838..882, 860..919, 1471..1494, 1473..1499, 1569..1709, 1569..1700, 1588..1728, 2036..2158, 2037..2090, 2080..2103, 2157..2189, 2163..2189, 2281..2373, 2282..2374, 3949..4014, 3949..4119, 3962..4120, 4282..4461, 4283..4462, 4284..4463, 4461..4523, 4481..4525, 4601..4660, 4603..4665, 4605..4664		

Seq. No.	30295	Seq. ID	OJ990429_23.9924.C18
Gene No.	62659	Strand	-
Start	16980	End	19388
Name	OJ990429_23.9924.C18.o3.tm	Method	TBLASTX:Maize
Start	4863	End	5194
GI	none	Score	56
Exons	4863..4916, 4867..4917, 4867..4896, 4969..5022, 4969..5016, 4973..5017, 5002..5193, 5003..5194		

Seq. No.	30295	Seq. ID	OJ990429_23.9924.C18
Gene No.	62659	Strand	-
Start	16980	End	19388
Name	OJ990429_23.9924.C18.o1.tm	Method	TBLASTX:Maize
Start	5196	End	8548
GI	none	Score	186
Exons	5196..5339, 5197..5340, 5202..5339, 5322..5414, 5341..5415, 5344..5412, 5527..5625, 5529..5633, 5529..5624, 5709..5771, 5710..5772, 5711..5773, 5711..5770, 5816..5935, 5825..5968, 5854..5955, 6081..6167, 6088..6174, 6089..6148, 8433..8510, 8435..8521, 8435..8548		

Seq. No.	30295	Seq. ID	OJ990429_23.9924.C18
Gene No.	62659	Strand	-
Start	16980	End	19388
Name	OJ990429_23.9924.C18.o1.ts	Method	TBLASTX:Soybean
Start	5556	End	6157
GI	none	Score	69
Exons	5556..5624, 5557..5625, 5709..5771, 5710..5772, 5711..5770, 5834..5935, 5854..5934, 5854..5955, 5861..5941, 6081..6149, 6092..6151, 6092..6157		

Seq. No.	30295	Seq. ID	OJ990429_23.9924.C18
Gene No.	62659	Strand	-
Start	16980	End	19388
Name	OJ990429_23.9924.C18.o5.np	Method	AAT/NAP
Start	16980	End	19388
GI	6815109	Score	163
Exons	16980..17024, 17384..17469, 19152..19388		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	30295	Seq. ID	OJ990429_23.9924.C18
Gene No.	62659	Strand	-
Start	16980	End	19388
Name	OJ990429_23.9924.C18.o4.np	Method	AAT/NAP

Start	19191	End	19388
GI	6815109	Score	152
Exons	19191..19388		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	30296	Seq. ID	OJ990429_23.9924.C19
Gene No.	62660	Strand	+
Start	2959	End	4317
Name	OJ990429_23.9924.C19.o1.gp	Method	AAT/GAP
Start	2959	End	3312
GI	2310221	Score	655
Exons	2959..3312		

Seq. No.	30296	Seq. ID	OJ990429_23.9924.C19
Gene No.	62660	Strand	+
Start	2959	End	4317
Name	OJ990429_23.9924.C19.o1.gs	Method	GENSCAN
Start	3024	End	4169
GI	none	Score	.83
Exons	3024..4169		

Seq. No.	30296	Seq. ID	OJ990429_23.9924.C19
Gene No.	62660	Strand	+
Start	2959	End	4317
Name	OJ990429_23.9924.C19.o1.np	Method	AAT/NAP
Start	3033	End	4166
GI	6730740	Score	547
Exons	3033..4166		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		

Seq. No.	30296	Seq. ID	OJ990429_23.9924.C19
Gene No.	62660	Strand	+
Start	2959	End	4317
Name	OJ990429_23.9924.C19.o2.gp	Method	AAT/GAP
Start	3965	End	4317
GI	none	Score	620
Exons	3965..4317		

Seq. No.	30296	Seq. ID	OJ990429_23.9924.C19
Gene No.	62661	Strand	-
Start	5050	End	15440
Name	OJ990429_23.9924.C19.o1.tc	Method	TBLASTX:Cress
Start	2997	End	3794
GI	none	Score	106
Exons	2997..3185, 3423..3605, 3612..3692, 3681..3794		

Seq. No.	30296	Seq. ID	OJ990429_23.9924.C19
Gene No.	62661	Strand	-
Start	5050	End	15440
Name	OJ990429_23.9924.C19.o2.tm	Method	TBLASTX:Maize
Start	3021	End	3608
GI	none	Score	144
Exons	3021..3098, 3036..3140, 3074..3136, 3423..3608, 3428..3589		

Seq. No.	30296	Seq. ID	OJ990429_23.9924.C19
Gene No.	62661	Strand	-
Start	5050	End	15440

Name	OJ990429_23.9924.C19.o1.ts	Method	TBLASTX:Soybean
Start	3036	End	3835
GI	none	Score	152
Exons	3036..3176, 3423..3587, 3428..3589, 3510..3716, 3561..3671, 3689..3835, 3690..3812		

Seq. No.	30296	Seq. ID	OJ990429_23.9924:C19
Gene No.	62661	Strand	-
Start	5050	End	15440
Name	OJ990429_23.9924.C19.o2.gs	Method	GENSCAN
Start	5050	End	15440
GI	none	Score	.76
Exons	5050..5113, 5175..5299, 6413..6493, 6614..6680, 6994..7034, 7309..7406, 7869..8061, 9403..10440, 11015..11135, 12253..12415, 12574..12654, 12690..12950, 13257..13418, 13527..13778, 13879..13974, 15336..15440		

Seq. No.	30296	Seq. ID	OJ990429_23.9924.C19
Gene No.	62661	Strand	-
Start	5050	End	15440
Name	OJ990429_23.9924.C19.o3.gp	Method	AAT/GAP
Start	9154	End	9646
GI	19301_1.R1084	Score	913
Exons	9154..9646		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	30296	Seq. ID	OJ990429_23.9924.C19
Gene No.	62661	Strand	-
Start	5050	End	15440
Name	OJ990429_23.9924.C19.o4.tm	Method	TBLASTX:Maize
Start	9826	End	10098
GI	none	Score	210
Exons	9826..10098, 9856..10095		

Seq. No.	30296	Seq. ID	OJ990429_23.9924.C19
Gene No.	62661	Strand	-
Start	5050	End	15440
Name	OJ990429_23.9924.C19.o1.tm	Method	TBLASTX:Maize
Start	10109	End	10441
GI	none	Score	69
Exons	10109..10156, 10111..10155, 10160..10222, 10174..10254, 10176..10223, 10226..10429, 10234..10440, 10235..10441		

Seq. No.	30296	Seq. ID	OJ990429_23.9924.C19
Gene No.	62661	Strand	-
Start	5050	End	15440
Name	OJ990429_23.9924.C19.o2.np	Method	AAT/NAP
Start	10910	End	14192
GI	4874303	Score	527
Exons	10910..11135, 12253..12535, 12636..12793, 12877..13353, 13429..14192		
GI Descrip.	(AC006053) putative transcription elongation factor S-II [Arabidopsis thaliana]		

Seq. No.	30296	Seq. ID	OJ990429_23.9924.C19

Gene No.	62661	Strand	-
Start	5050	End	15440
Name	OJ990429_23.9924.C19.o5.tm	Method	TBLASTX:Maize
Start	11010	End	12549
GI	none	Score	177
Exons	11010..11138, 11012..11137, 12253..12423, 12255..12425, 12255..12407, 12404..12538, 12404..12526, 12417..12539, 12418..12549		

Seq. No.	30296	Seq. ID	OJ990429_23.9924.C19
Gene No.	62661	Strand	-
Start	5050	End	15440
Name	OJ990429_23.9924.C19.o4.gp	Method	AAT/GAP
Start	12288	End	12710
GI	none	Score	733
Exons	12288..12710		

Seq. No.	30296	Seq. ID	OJ990429_23.9924.C19
Gene No.	62661	Strand	-
Start	5050	End	15440
Name	OJ990429_23.9924.C19.o3.tm	Method	TBLASTX:Maize
Start	12676	End	13077
GI	none	Score	167
Exons	12676..12882, 12678..12902, 12897..12950, 12957..13067, 12964..12990, 12989..13072, 12991..13077, 12994..13077		

Seq. No.	30296	Seq. ID	OJ990429_23.9924.C19
Gene No.	62661	Strand	-
Start	5050	End	15440
Name	OJ990429_23.9924.C19.o5.gp	Method	AAT/GAP
Start	12788	End	13128
GI	LIB3475-003-P1-K2-H5	Score	586
Exons	12788..13128		
GI Descrip.	'4874303/gb|AAD31365.1|AC006053_7 2.0e-09 (AC006053) putative transcription elongation factor [Arabidopsis thaliana]'		

Seq. No.	30296	Seq. ID	OJ990429_23.9924.C19
Gene No.	62661	Strand	-
Start	5050	End	15440
Name	OJ990429_23.9924.C19.o6.gp	Method	AAT/GAP
Start	13206	End	13675
GI	4715646	Score	933
Exons	13206..13675		
GI Descrip.	4874303/gb|AAD31365.1|AC006053_7 2.0e-09 (AC006053) putative transcription elongation factor [Arabidopsis thaliana]		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62662	Strand	+
Start	3120	End	3913
Name	OJ990429_23.9924.C20.o1.gp	Method	AAT/GAP
Start	3120	End	3913
GI	none	Score	975
Exons	3120..3316, 3577..3913		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62663	Strand	+
Start	9989	End	10473

Name	OJ990429_23.9924.C20.o2.gp	Method	AAT/GAP
Start	9989	End	10473
GI	uC-osflcyp020d01b1	Score	946
Exons	9989..10473		
GI Descrip.	'1514643/emb|CAA94437| 3.0e-65 (Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]'		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62664	Strand	+
Start	14109	End	14663
Name	OJ990429_23.9924.C20.o3.gs	Method	GENSCAN
Start	14109	End	14663
GI	none	Score	.96
Exons	14109..14130, 14400..14466, 14516..14663		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62665	Strand	-
Start	6665	End	13091
Name	OJ990429_23.9924.C20.o2.gs	Method	GENSCAN
Start	6665	End	13081
GI	none	Score	.72
Exons	6665..6925, 7017..7271, 7367..7538, 7940..8073, 8162..8245, 8414..8620, 8697..9029, 9116..9239, 9427..9686, 9773..9876, 9945..10313, 10503..10602, 10653..10804, 10888..11166, 11272..11362, 11443..11493, 11598..11674, 11761..11920, 12050..12134, 12219..12307, 12424..12544, 12750..13081		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62665	Strand	-
Start	6665	End	13091
Name	OJ990429_23.9924.C20.o1.np	Method	AAT/NAP
Start	6668	End	13091
GI	1514643	Score	5370
Exons	6668..6925, 7017..7271, 7367..7538, 7628..7855, 7940..8073, 8162..8245, 8330..8620, 8697..9029, 9116..9243, 9340..9438, 9524..9672, 9765..9876, 9945..10422, 10503..10784, 10865..11166, 11272..11362, 11443..11493, 11598..11674, 11761..11920, 12050..12134, 12219..12307, 12424..12544, 12750..13091		
GI Descrip.	(Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62666	Strand	-
Start	14980	End	25129
Name	OJ990429_23.9924.C20.o4.gs	Method	GENSCAN
Start	14980	End	25060
GI	none	Score	.76
Exons	14980..15291, 15813..15893, 16283..16348, 16487..16555, 16875..16928, 17283..17391, 18302..18705, 18775..18873, 19717..20115, 20393..20508, 20769..20978, 21327..21494, 21545..21734, 21825..21938, 22296..22628, 23150..23497, 23576..23719, 23802..24068, 24317..25060		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62666	Strand	-
Start	14980	End	25129
Name	OJ990429_23.9924.C20.o3.gp	Method	AAT/GAP
Start	18357	End	19956

GI	42383_1.R1084	Score	1297
Exons	18357..18705, 18775..18873, 19717..19956		
GI Descrip.	'3776057/emb|CAA15498| 1.0e-09 (AL008725) dJ148E22.2 (similar to PAB1) [Homo sapiens]'		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62666	Strand	-
Start	14980	End	25129
Name	OJ990429_23.9924.C20.o4.gp	Method	AAT/GAP
Start	21941	End	23407
GI	18345_1.R1084	Score	1009
Exons	21941..22042, 22328..22628, 23150..23407		
GI Descrip.	'4138583/emb|CAA71785| 1.0e-70 (Y10821) plastidic ATP/ADP-transporter [Solanum tuberosum]'		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62666	Strand	-
Start	14980	End	25129
Name	OJ990429_23.9924.C20.o2.np	Method	AAT/NAP
Start	22263	End	24865
GI	6226239	Score	1929
Exons	22263..22628, 23150..23497, 23576..23719, 23802..24068, 24317..24865		
GI Descrip.	PLASTIDIC ATP/ADP-TRANSPORTER gi|4138583|emb|CAA71785| (Y10821) plastidic ATP/ADP-transporter [Solanum tuberosum]		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62666	Strand	-
Start	14980	End	25129
Name	OJ990429_23.9924.C20.o5.gp	Method	AAT/GAP
Start	24586	End	25129
GI	36737_1.R1084	Score	1013
Exons	24586..25129		
GI Descrip.	'4138583/emb|CAA71785| 2.0e-22 (Y10821) plastidic ATP/ADP-transporter [Solanum tuberosum]'		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o1.ts	Method	TBLASTX:Soybean
Start	6653	End	11158
GI	none	Score	76
Exons	6653..6820, 6666..6821, 6816..6926, 6833..6925, 7017..7115, 7020..7118, 7036..7125, 7179..7283, 7180..7275, 7190..7279, 7364..7540, 7365..7535, 7630..7857, 7637..7858, 7939..8070, 7943..8065, 8157..8237, 8162..8248, 8327..8623, 8328..8621, 8465..8623, 8694..9032, 8694..9032, 8698..9033, 8725..9033, 9107..9226, 9120..9194, 9559..9654, 9573..9668, 9768..9872, 9773..9874, 9776..9874, 9922..10146, 9923..10138, 9961..10140, 10099..10257, 10976..11050, 11060..11158		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o2.tm	Method	TBLASTX:Maize
Start	6662	End	9877
GI	none	Score	69

Exons	6662..6697, 6663..6782, 6755..6796, 6821..6943, 6840..6923, 7020..7109, 7024..7125, 7179..7283, 7364..7540, 7365..7526, 7630..7857, 7637..7834, 7936..8064, 7939..8070, 7967..8071, 7967..8074, 8157..8237, 8162..8248, 9794..9877		
Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o1.tc	Method	TBLASTX:Cress
Start	6666	End	11134
GI	none	Score	69
Exons	6666..6722, 6813..6926, 6836..6925, 7012..7125, 7017..7112, 7179..7283, 7364..7540, 7377..7526, 7636..7857, 7637..7852, 7939..8064, 7940..8065, 8162..8248, 8187..8237, 8319..8471, 8327..8473, 9794..9871, 10099..10257, 10976..11050, 11060..11134		
Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o6.tw	Method	TBLASTX:Wheat
Start	6834	End	7112
GI	none	Score	99
Exons	6834..6923, 6839..6922, 6843..6923, 7014..7112		
Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o3.tw	Method	TBLASTX:Wheat
Start	7179	End	10278
GI	none	Score	49
Exons	7179..7268, 9842..9874, 9843..9872, 9946..10278, 9959..10267		
Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o5.tw	Method	TBLASTX:Wheat
Start	7364	End	7530
GI	none	Score	169
Exons	7364..7525, 7365..7526, 7366..7530		
Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o2.tw	Method	TBLASTX:Wheat
Start	7627	End	8459
GI	none	Score	128
Exons	7627..7857, 7628..7858, 7936..8064, 7939..8070, 7943..8071, 7947..8078, 8162..8233, 8162..8248, 8327..8458, 8331..8459		
Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o6.tm	Method	TBLASTX:Maize
Start	8319	End	8483
GI	none	Score	177
Exons	8319..8483, 8327..8482		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o3.tc	Method	TBLASTX:Cress
Start	8474	End	11920
GI	none	Score	130
Exons	8474..8581, 8475..8576, 8573..8620, 8596..8619, 8700..9029, 8704..9030, 9108..9242, 9119..9253, 11789..11920		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o3.tm	Method	TBLASTX:Maize
Start	8514	End	12262
GI	none	Score	83
Exons	8514..8621, 8516..8578, 8593..8622, 8694..9029, 8698..9030, 8723..9091, 9107..9184, 12059..12133, 12221..12262		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o7.tm	Method	TBLASTX:Maize
Start	10117	End	10288
GI	none	Score	113
Exons	10117..10287, 10118..10288		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o5.tc	Method	TBLASTX:Cress
Start	10258	End	10559
GI	none	Score	81
Exons	10258..10425, 10494..10559		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o3.ts	Method	TBLASTX:Soybean
Start	10494	End	10975
GI	none	Score	145
Exons	10494..10787, 10510..10785, 10859..10975, 10860..10964		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o4.tc	Method	TBLASTX:Cress
Start	10659	End	10975
GI	none	Score	57
Exons	10659..10787, 10671..10787, 10859..10975, 10860..10964		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o4.tm	Method	TBLASTX:Maize
Start	10946	End	11363
GI	none	Score	243
Exons	10946..11176, 10947..11168, 10952..11182, 11270..11344,		

11271..11363

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o4.ts	Method	TBLASTX:Soybean
Start	12427	End	12991
GI	none	Score	99
Exons	12427..12552, 12428..12559, 12743..12880, 12881..12991		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o5.tm	Method	TBLASTX:Maize
Start	15789	End	19824
GI	none	Score	81
Exons	15789..15899, 15808..15900, 16111..16182, 16111..16179, 16268..16366, 16283..16363, 16287..16376, 16487..16558, 16497..16556, 16872..16925, 16875..16934, 17058..17126, 17062..17130, 17062..17127, 18302..18325, 18302..18337, 18364..18405, 18372..18428, 18375..18431, 18394..18429, 18444..18476, 18444..18596, 18446..18601, 18448..18564, 18492..18599, 18620..18697, 18654..18707, 18775..18879, 18776..18874, 19714..19824, 19714..19824		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o4.tw	Method	TBLASTX:Wheat
Start	18450	End	18879
GI	none	Score	143
Exons	18450..18566, 18450..18566, 18540..18617, 18567..18608, 18620..18655, 18659..18697, 18659..18703, 18666..18707, 18762..18875, 18775..18876, 18775..18879		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o1.tm	Method	TBLASTX:Maize
Start	22087	End	24796
GI	none	Score	175
Exons	22087..22116, 22222..22365, 22229..22426, 22233..22430, 22425..22631, 22441..22629, 23147..23500, 23148..23501, 23567..23722, 23577..23720, 23578..23730, 23800..24069, 23802..24071, 23802..24071, 24314..24796, 24318..24794, 24611..24796		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o2.ts	Method	TBLASTX:Soybean
Start	22294	End	24800
GI	none	Score	37
Exons	22294..22332, 22383..22631, 22444..22629, 22476..22631, 23122..23238, 23132..23281, 23145..23495, 23147..23500, 23348..23518, 23567..23722, 23580..23720, 23593..23733, 23796..24071, 23842..24072, 23845..24069, 23850..24077,		

24314..24382, 24314..24796, 24318..24440, 24546..24800

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o2.tc	Method	TBLASTX:Cress
Start	22326	End	24806
GI	none	Score	251
Exons	22326..22361, 22407..22631, 22444..22629, 23134..23235, 23145..23495, 23147..23500, 23567..23722, 23580..23720, 23851..23931, 23887..23931, 23934..24071, 23935..24069, 24314..24796, 24318..24440, 24546..24806		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o1.tw	Method	TBLASTX:Wheat
Start	23225	End	23748
GI	none	Score	322
Exons	23225..23500, 23229..23501, 23567..23731, 23577..23717, 23578..23748		

Seq. No.	30297	Seq. ID	OJ990429_23.9924.C20
Gene No.	62667	Strand	-
Start	26835	End	27842
Name	OJ990429_23.9924.C20.o5.gs	Method	GENSCAN
Start	26835	End	27842
GI	none	Score	.58
Exons	26835..26963, 27174..27377, 27744..27842		

Seq. No.	30298	Seq. ID	OJ990409_11.9922.C3
Gene No.	62668	Strand	+
Start	101	End	759
Name	OJ990409_11.9922.C3.o1.gs	Method	GENSCAN
Start	101	End	759
GI	none	Score	.45
Exons	101..246, 643..759		

Seq. No.	30299	Seq. ID	OJ990409_11.9922.C5
Gene No.	62669	Strand	+
Start	1	End	349
Name	OJ990409_11.9922.C5.o1.np	Method	AAT/NAP
Start	1	End	349
GI	6721543	Score	142
Exons	1..41, 227..349		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	30300	Seq. ID	OJ990409_11.9922.C6
Gene No.	62670	Strand	+
Start	370	End	666
Name	OJ990409_11.9922.C6.o1.gs	Method	GENSCAN
Start	370	End	602
GI	none	Score	.49
Exons	370..602		

Seq. No.	30300	Seq. ID	OJ990409_11.9922.C6
Gene No.	62670	Strand	+

Start	370	End	666
Name	OJ990409_11.9922.C6.o1.np	Method	AAT/NAP
Start	428	End	666
GI	4926830	Score	142
Exons	428..666		
GI Descrip.	(AC004135) T17H7.15 [Arabidopsis thaliana]		

Seq. No.	30301	Seq. ID	OJ990409_11.9922.C8
Gene No.	62671	Strand	+
Start	529	End	718
Name	OJ990409_11.9922.C8.o1.gs	Method	GENSCAN
Start	529	End	592
GI	none	Score	.52
Exons	529..592		

Seq. No.	30301	Seq. ID	OJ990409_11.9922.C8
Gene No.	62671	Strand	+
Start	529	End	718
Name	OJ990409_11.9922.C8.o1.np	Method	AAT/NAP
Start	529	End	718
GI	729671	Score	266
Exons	529..718		
GI Descrip.	HISTONE H2A gi|473603 (U08225) histone H2A [Zea mays]		

Seq. No.	30301	Seq. ID	OJ990409_11.9922.C8
Gene No.	62671	Strand	+
Start	529	End	718
Name	OJ990409_11.9922.C8.o1.tw	Method	TBLASTX:Wheat
Start	610	End	717
GI	none	Score	169
Exons	610..717, 613..717		

Seq. No.	30302	Seq. ID	OJ990409_11.9922.C9
Gene No.	62672	Strand	+
Start	1	End	356
Name	OJ990409_11.9922.C9.o1.gp	Method	AAT/GAP
Start	1	End	356
GI	3763093	Score	592
Exons	1..356		
GI Descrip.	473602/gb|U08225|ZMU08225 4.0e-23 Zea mays W-22 histone H2A mRNA, complete cds		

Seq. No.	30302	Seq. ID	OJ990409_11.9922.C9
Gene No.	62672	Strand	+
Start	1	End	356
Name	OJ990409_11.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	190
GI	729671	Score	237
Exons	1..190		
GI Descrip.	HISTONE H2A gi|473603 (U08225) histone H2A [Zea mays]		

Seq. No.	30302	Seq. ID	OJ990409_11.9922.C9
Gene No.	62672	Strand	+
Start	1	End	356
Name	OJ990409_11.9922.C9.o1.gs	Method	GENSCAN
Start	72	End	193
GI	none	Score	.84

Exons	72..193		
Seq. No.	30302	Seq. ID	OJ990409_11.9922.C9
Gene No.	62673	Strand	+
Start	4232	End	10137
Name	OJ990409_11.9922.C9.o2.gs	Method	GENSCAN
Start	4232	End	8388
GI	none	Score	.71
Exons	4232..4436, 4595..5126, 5602..5726, 6544..6664, 7897..8068, 8194..8388		
Seq. No.	30302	Seq. ID	OJ990409_11.9922.C9
Gene No.	62673	Strand	+
Start	4232	End	10137
Name	OJ990409_11.9922.C9.o4.np	Method	AAT/NAP
Start	5436	End	5732
GI	5852182	Score	239
Exons	5436..5732		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	30302	Seq. ID	OJ990409_11.9922.C9
Gene No.	62673	Strand	+
Start	4232	End	10137
Name	OJ990409_11.9922.C9.o5.np	Method	AAT/NAP
Start	6045	End	10137
GI	5295955	Score	181
Exons	6045..6334, 6608..6632, 8203..8426, 9244..9481, 10024..10137		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	30302	Seq. ID	OJ990409_11.9922.C9
Gene No.	62674	Strand	+
Start	10148	End	10316
Name	OJ990409_11.9922.C9.o5.gp	Method	AAT/GAP
Start	10148	End	10316
GI	LIB3475-004-P1-K2-A5	Score	241
Exons	10148..10316		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		
Seq. No.	30302	Seq. ID	OJ990409_11.9922.C9
Gene No.	62675	Strand	-
Start	1842	End	2501
Name	OJ990409_11.9922.C9.o2.gp	Method	AAT/GAP
Start	1842	End	2501
GI	none	Score	817
Exons	1842..2339, 2436..2501		
Seq. No.	30302	Seq. ID	OJ990409_11.9922.C9
Gene No.	62676	Strand	-
Start	3312	End	3671
Name	OJ990409_11.9922.C9.o2.np	Method	AAT/NAP
Start	3312	End	3671
GI	3879015	Score	96
Exons	3312..3464, 3575..3671		
GI Descrip.	(Z81108) similar to RNA recognition motif. (aka RRM, RBD, or RNP domain); cDNA EST EMBL:D73942 comes from this gene; cDNA EST		

yk257f10.5 comes from this gene; cDNA EST EMBL:D70930 comes from this gene; cDNA EST EMBL:D73476 co...

Seq. No.	30302	Seq. ID	OJ990409_11.9922.C9
Gene No.	62677	Strand	-
Start	3741	End	4135
Name	OJ990409_11.9922.C9.o3.gp	Method	AAT/GAP
Start	3741	End	4135
GI	2428981	Score	741
Exons	3741..4135		

Seq. No.	30302	Seq. ID	OJ990409_11.9922.C9
Gene No.	62678	Strand	-
Start	4397	End	8438
Name	OJ990409_11.9922.C9.o4.gp	Method	AAT/GAP
Start	4397	End	8438
GI	none	Score	711
Exons	4397..4460, 7439..7492, 8047..8186, 8296..8438		

Seq. No.	30302	Seq. ID	OJ990409_11.9922.C9
Gene No.	62678	Strand	-
Start	4397	End	8438
Name	OJ990409_11.9922.C9.o3.np	Method	AAT/NAP
Start	4690	End	5142
GI	3913804	Score	509
Exons	4690..5142		
GI Descrip.	HISTONE H2B.3 gi|577825|emb|CAA49584| (X69960) H2B histone [Zea mays]		

Seq. No.	30302	Seq. ID	OJ990409_11.9922.C9
Gene No.	62679	Strand	-
Start	8563	End	8748
Name	OJ990409_11.9922.C9.o2.tm	Method	TBLASTX:Maize
Start	3354	End	3649
GI	none	Score	155
Exons	3354..3464, 3355..3465, 3358..3468, 3363..3473, 3555..3647, 3572..3649, 3577..3648		

Seq. No.	30302	Seq. ID	OJ990409_11.9922.C9
Gene No.	62679	Strand	-
Start	8563	End	8748
Name	OJ990409_11.9922.C9.o1.tc	Method	TBLASTX:Cress
Start	4687	End	4950
GI	none	Score	269
Exons	4687..4950, 4697..4948		

Seq. No.	30302	Seq. ID	OJ990409_11.9922.C9
Gene No.	62679	Strand	-
Start	8563	End	8748
Name	OJ990409_11.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	4687	End	5068
GI	none	Score	292
Exons	4687..5025, 4697..4948, 5045..5068		

Seq. No.	30302	Seq. ID	OJ990409_11.9922.C9
Gene No.	62679	Strand	-
Start	8563	End	8748

Name	OJ990409_11.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	4687	End	4950
GI	none	Score	67
Exons	4687..4950, 4689..4724, 4697..4948		

Seq. No.	30302	Seq. ID	OJ990409_11.9922.C9
Gene No.	62679	Strand	-
Start	8563	End	8748
Name	OJ990409_11.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	4693	End	4950
GI	none	Score	348
Exons	4693..4950, 4697..4948, 4856..4948, 4858..4947		

Seq. No.	30302	Seq. ID	OJ990409_11.9922.C9
Gene No.	62679	Strand	-
Start	8563	End	8748
Name	OJ990409_11.9922.C9.o3.gs	Method	GENSCAN
Start	8563	End	8748
GI	none	Score	.99
Exons	8563..8748		

Seq. No.	30303	Seq. ID	OJ990409_11.9922.C10
Gene No.	62680	Strand	+
Start	1	End	1765
Name	OJ990409_11.9922.C10.o1.np	Method	AAT/NAP
Start	1	End	1765
GI	4539658	Score	250
Exons	1..97, 139..316, 1651..1765		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	30303	Seq. ID	OJ990409_11.9922.C10
Gene No.	62680	Strand	+
Start	1	End	1765
Name	OJ990409_11.9922.C10.o1.gs	Method	GENSCAN
Start	185	End	1212
GI	none	Score	.65
Exons	185..302, 1124..1212		

Seq. No.	30303	Seq. ID	OJ990409_11.9922.C10
Gene No.	62680	Strand	+
Start	1	End	1765
Name	OJ990409_11.9922.C10.o1.gp	Method	AAT/GAP
Start	329	End	607
GI	LIB3475-004-P1-K2-A5	Score	414
Exons	329..491, 513..607		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	30303	Seq. ID	OJ990409_11.9922.C10
Gene No.	62681	Strand	-
Start	1408	End	1611
Name	OJ990409_11.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	1	End	719
GI	none	Score	91
Exons	1..99, 3..113, 3..116, 360..482, 361..480, 361..489, 374..490, 482..508, 496..606, 503..631, 512..628, 652..714, 660..719		

Seq. No.	30303	Seq. ID	OJ990409_11.9922.C10
Gene No.	62681	Strand	-
Start	1408	End	1611
Name	OJ990409_11.9922.C10.o2.gs	Method	GENSCAN
Start	1408	End	1611
GI	none	Score	.46
Exons	1408..1611		

Seq. No.	30304	Seq. ID	OJ990409_11.9922.C14
Gene No.	62682	Strand	+
Start	1182	End	1969
Name	OJ990409_11.9922.C14.o1.np	Method	AAT/NAP
Start	1182	End	1969
GI	6815053	Score	121
Exons	1182..1330, 1714..1793, 1850..1969		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	30305	Seq. ID	OJ990409_11.9922.C15
Gene No.	62683	Strand	+
Start	327	End	6172
Name	OJ990409_11.9922.C15.o1.tm	Method	TBLASTX:Maize
Start	274	End	5586
GI	none	Score	84
Exons	274..396, 279..401, 300..395, 404..460, 405..449, 429..656, 434..652, 531..653, 3905..3955, 4977..5159, 4986..5159, 5245..5394, 5247..5390, 5247..5396, 5248..5394, 5491..5586, 5496..5585		

Seq. No.	30305	Seq. ID	OJ990409_11.9922.C15
Gene No.	62683	Strand	+
Start	327	End	6172
Name	OJ990409_11.9922.C15.o1.gs	Method	GENSCAN
Start	327	End	5883
GI	none	Score	.74
Exons	327..650, 2908..3003, 3908..3955, 4980..5156, 5248..5398, 5498..5584, 5860..5883		

Seq. No.	30305	Seq. ID	OJ990409_11.9922.C15
Gene No.	62683	Strand	+
Start	327	End	6172
Name	OJ990409_11.9922.C15.o1.ts	Method	TBLASTX:Soybean
Start	377	End	5586
GI	none	Score	172
Exons	377..610, 378..611, 4977..5159, 4991..5164, 5242..5373, 5248..5412, 5250..5411, 5475..5585, 5503..5586		

Seq. No.	30305	Seq. ID	OJ990409_11.9922.C15
Gene No.	62683	Strand	+
Start	327	End	6172
Name	OJ990409_11.9922.C15.o2.tc	Method	TBLASTX:Cress
Start	453	End	656
GI	none	Score	181
Exons	453..656, 458..649		

Seq. No.	30305	Seq. ID	OJ990409_11.9922.C15
Gene No.	62683	Strand	+

Start	327	End	6172
Name	OJ990409_11.9922.C15.o1.np	Method	AAT/NAP
Start	746	End	6172
GI	2462828	Score	331
Exons	746..792, 3832..3955, 4980..5156, 5248..5452, 5490..5584, 6141..6172		
GI Descrip.	(AF000657) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30305	Seq. ID	OJ990409_11.9922.C15
Gene No.	62683	Strand	+
Start	327	End	6172
Name	OJ990409_11.9922.C15.o1.tc	Method	TBLASTX:Cress
Start	4977	End	5388
GI	none	Score	202
Exons	4977..5159, 4979..5188, 5248..5388, 5250..5387		

Seq. No.	30306	Seq. ID	OJ990409_11.9922.C16
Gene No.	62684	Strand	+
Start	1	End	7456
Name	OJ990409_11.9922.C16.o1.np	Method	AAT/NAP
Start	1	End	3408
GI	2462828	Score	400
Exons	1..24, 498..626, 874..992, 3237..3408		
GI Descrip.	(AF000657) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30306	Seq. ID	OJ990409_11.9922.C16
Gene No.	62684	Strand	+
Start	1	End	7456
Name	OJ990409_11.9922.C16.o1.gs	Method	GENSCAN
Start	874	End	7456
GI	none	Score	.61
Exons	874..992, 2111..2210, 3249..3348, 7430..7456		

Seq. No.	30306	Seq. ID	OJ990409_11.9922.C16
Gene No.	62684	Strand	+
Start	1	End	7456
Name	OJ990409_11.9922.C16.o1.gp	Method	AAT/GAP
Start	878	End	3798
GI	45025_1.R1084	Score	1070
Exons	878..992, 3237..3348, 3454..3798		
GI Descrip.	'2462828 7.0e-18 (AF000657) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	30306	Seq. ID	OJ990409_11.9922.C16
Gene No.	62685	Strand	+
Start	7958	End	8293
Name	OJ990409_11.9922.C16.o2.gp	Method	AAT/GAP
Start	7958	End	8293
GI	2291_1.R1084	Score	581
Exons	7958..8293		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	30306	Seq. ID	OJ990409_11.9922.C16

Gene No.	62686	Strand	+
Start	12858	End	15719
Name	OJ990409_11.9922.C16.o3.gs	Method	GENSCAN
Start	12858	End	15719
GI	none	Score	.61
Exons	12858..13103, 13374..13647, 15578..15719		

Seq. No.	30306	Seq. ID	OJ990409_11.9922.C16
Gene No.	62687	Strand	-
Start	9433	End	9967
Name	OJ990409_11.9922.C16.o2.tm	Method	TBLASTX:Maize
Start	498	End	930
GI	none	Score	237
Exons	498..629, 499..627, 500..646, 500..628, 501..629, 874..930		

Seq. No.	30306	Seq. ID	OJ990409_11.9922.C16
Gene No.	62687	Strand	-
Start	9433	End	9967
Name	OJ990409_11.9922.C16.o2.ts	Method	TBLASTX:Soybean
Start	498	End	3276
GI	none	Score	185
Exons	498..620, 500..616, 873..992, 874..987, 3208..3276		

Seq. No.	30306	Seq. ID	OJ990409_11.9922.C16
Gene No.	62687	Strand	-
Start	9433	End	9967
Name	OJ990409_11.9922.C16.o1.tw	Method	TBLASTX:Wheat
Start	3211	End	3534
GI	none	Score	171
Exons	3211..3345, 3234..3344, 3235..3345, 3448..3510, 3452..3511, 3458..3511, 3509..3532, 3511..3534		

Seq. No.	30306	Seq. ID	OJ990409_11.9922.C16
Gene No.	62687	Strand	-
Start	9433	End	9967
Name	OJ990409_11.9922.C16.o1.tc	Method	TBLASTX:Cress
Start	7988	End	8461
GI	none	Score	34
Exons	7988..8017, 8065..8130, 8065..8358, 8067..8249, 8108..8359, 8210..8362, 8357..8461		

Seq. No.	30306	Seq. ID	OJ990409_11.9922.C16
Gene No.	62687	Strand	-
Start	9433	End	9967
Name	OJ990409_11.9922.C16.o1.tm	Method	TBLASTX:Maize
Start	8044	End	8541
GI	none	Score	242
Exons	8044..8358, 8046..8249, 8066..8359, 8312..8371, 8325..8474, 8346..8459, 8357..8470, 8515..8541		

Seq. No.	30306	Seq. ID	OJ990409_11.9922.C16
Gene No.	62687	Strand	-
Start	9433	End	9967
Name	OJ990409_11.9922.C16.o2.np	Method	AAT/NAP
Start	8110	End	9785
GI	133933	Score	496
Exons	8110..8471, 9674..9785		

GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 gi|1363605|pir||S58590 ribosomal protein S3 - maize chloroplast gi|12469|emb|CAA68427| (Y00340) ribosomal protein S3 [Zea mays] gi|902260|emb|CAA60324| (X86563) ribosomal protein S3 [Zea mays]		
Seq. No.	30306	Seq. ID	OJ990409_11.9922.C16
Gene No.	62687	Strand	-
Start	9433	End	9967
Name	OJ990409_11.9922.C16.o1.ts	Method	TBLASTX:Soybean
Start	8121	End	8461
GI	none	Score	98
Exons	8121..8249, 8122..8358, 8123..8359, 8194..8442, 8210..8371, 8355..8459, 8357..8461		
Seq. No.	30306	Seq. ID	OJ990409_11.9922.C16
Gene No.	62687	Strand	-
Start	9433	End	9967
Name	OJ990409_11.9922.C16.o2.gs	Method	GENSCAN
Start	9433	End	9967
GI	none	Score	.72
Exons	9433..9508, 9795..9967		
Seq. No.	30307	Seq. ID	OJ990409_11.9922.C17
Gene No.	62688	Strand	-
Start	940	End	1029
Name	OJ990409_11.9922.C17.o1.gs	Method	GENSCAN
Start	940	End	1029
GI	none	Score	.68
Exons	940..1029		
Seq. No.	30308	Seq. ID	OJ990409_11.9922.C18
Gene No.	62689	Strand	+
Start	34	End	148
Name	OJ990409_11.9922.C18.o1.gs	Method	GENSCAN
Start	34	End	148
GI	none	Score	.83
Exons	34..148		
Seq. No.	30309	Seq. ID	OJ990409_11.9922.C19
Gene No.	62690	Strand	-
Start	173	End	316
Name	OJ990409_11.9922.C19.o1.gs	Method	GENSCAN
Start	173	End	316
GI	none	Score	.54
Exons	173..316		
Seq. No.	30310	Seq. ID	OJ990409_11.9922.C20
Gene No.	62691	Strand	-
Start	511	End	7225
Name	OJ990409_11.9922.C20.o1.gs	Method	GENSCAN
Start	511	End	7225
GI	none	Score	.65
Exons	511..625, 1503..1550, 1639..1738, 2654..2697, 2892..6812, 6990..7037, 7126..7225		
Seq. No.	30310	Seq. ID	OJ990409_11.9922.C20
Gene No.	62691	Strand	-

Start	511	End	7225
Name	OJ990409_11.9922.C20.o1.np	Method	AAT/NAP
Start	637	End	717
GI	6498434	Score	96
Exons	637..717		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	30310	Seq. ID	OJ990409_11.9922.C20
Gene No.	62691	Strand	-
Start	511	End	7225
Name	OJ990409_11.9922.C20.o2.np	Method	AAT/NAP
Start	2891	End	6796
GI	6539553	Score	6774
Exons	2891..6796		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	30310	Seq. ID	OJ990409_11.9922.C20
Gene No.	62691	Strand	-
Start	511	End	7225
Name	OJ990409_11.9922.C20.o2.tw	Method	TBLASTX:Wheat
Start	3027	End	3503
GI	none	Score	376
Exons	3027..3413, 3065..3412, 3106..3414, 3428..3502, 3432..3503		

Seq. No.	30310	Seq. ID	OJ990409_11.9922.C20
Gene No.	62691	Strand	-
Start	511	End	7225
Name	OJ990409_11.9922.C20.o4.ts	Method	TBLASTX:Soybean
Start	3155	End	3496
GI	none	Score	79
Exons	3155..3364, 3234..3359, 3383..3496, 3390..3470		

Seq. No.	30310	Seq. ID	OJ990409_11.9922.C20
Gene No.	62691	Strand	-
Start	511	End	7225
Name	OJ990409_11.9922.C20.o4.tm	Method	TBLASTX:Maize
Start	3359	End	3698
GI	none	Score	190
Exons	3359..3697, 3360..3698		

Seq. No.	30310	Seq. ID	OJ990409_11.9922.C20
Gene No.	62691	Strand	-
Start	511	End	7225
Name	OJ990409_11.9922.C20.o2.ts	Method	TBLASTX:Soybean
Start	3509	End	3854
GI	none	Score	133
Exons	3509..3853, 3654..3854		

Seq. No.	30310	Seq. ID	OJ990409_11.9922.C20
Gene No.	62691	Strand	-
Start	511	End	7225
Name	OJ990409_11.9922.C20.o3.tw	Method	TBLASTX:Wheat
Start	3707	End	4252
GI	none	Score	52

Exons	3707..3913, 3717..3839, 3908..4252, 3932..4105		
Seq. No.	30310	Seq. ID	OJ990409_11.9922.C20
Gene No.	62691	Strand	-
Start	511	End	7225
Name	OJ990409_11.9922.C20.o3.tm	Method	TBLASTX:Maize
Start	3806	End	4253
GI	none	Score	55
Exons	3806..4252, 3891..4001, 3935..4117, 4071..4253		
Seq. No.	30310	Seq. ID	OJ990409_11.9922.C20
Gene No.	62691	Strand	-
Start	511	End	7225
Name	OJ990409_11.9922.C20.o1.ts	Method	TBLASTX:Soybean
Start	3923	End	4387
GI	5509260	Score	58
Exons	3923..4387, 3942..4001, 4074..4169, 4218..4286		
GI Descrip.	-		
Seq. No.	30310	Seq. ID	OJ990409_11.9922.C20
Gene No.	62691	Strand	-
Start	511	End	7225
Name	OJ990409_11.9922.C20.o1.tc	Method	TBLASTX:Cress
Start	4034	End	4294
GI	none	Score	62
Exons	4034..4294, 4215..4292		
Seq. No.	30310	Seq. ID	OJ990409_11.9922.C20
Gene No.	62691	Strand	-
Start	511	End	7225
Name	OJ990409_11.9922.C20.o1.tw	Method	TBLASTX:Wheat
Start	4307	End	5062
GI	none	Score	200
Exons	4307..4546, 4308..4466, 4324..4554, 4327..4524, 4575..5054, 4598..5062		
Seq. No.	30310	Seq. ID	OJ990409_11.9922.C20
Gene No.	62691	Strand	-
Start	511	End	7225
Name	OJ990409_11.9922.C20.o2.tc	Method	TBLASTX:Cress
Start	4688	End	5077
GI	none	Score	112
Exons	4688..4882, 4895..5077		
Seq. No.	30310	Seq. ID	OJ990409_11.9922.C20
Gene No.	62691	Strand	-
Start	511	End	7225
Name	OJ990409_11.9922.C20.o3.ts	Method	TBLASTX:Soybean
Start	4712	End	5110
GI	none	Score	38
Exons	4712..4885, 4839..4877, 4886..5110, 4932..5102		
Seq. No.	30310	Seq. ID	OJ990409_11.9922.C20
Gene No.	62691	Strand	-
Start	511	End	7225
Name	OJ990409_11.9922.C20.o5.tm	Method	TBLASTX:Maize
Start	4898	End	5332

GI	none	Score	84
Exons	4898..5332, 4923..5123		
Seq. No.	30310	Seq. ID	OJ990409_11.9922.C20
Gene No.	62691	Strand	-
Start	511	End	7225
Name	OJ990409_11.9922.C20.o5.tw	Method	TBLASTX:Wheat
Start	5063	End	5254
GI	none	Score	180
Exons	5063..5254, 5063..5254		
Seq. No.	30310	Seq. ID	OJ990409_11.9922.C20
Gene No.	62691	Strand	-
Start	511	End	7225
Name	OJ990409_11.9922.C20.o5.ts	Method	TBLASTX:Soybean
Start	5120	End	5506
GI	none	Score	88
Exons	5120..5368, 5351..5506		
Seq. No.	30310	Seq. ID	OJ990409_11.9922.C20
Gene No.	62691	Strand	-
Start	511	End	7225
Name	OJ990409_11.9922.C20.o1.tm	Method	TBLASTX:Maize
Start	5533	End	5855
GI	none	Score	395
Exons	5533..5700, 5534..5848, 5535..5828, 5601..5855		
Seq. No.	30310	Seq. ID	OJ990409_11.9922.C20
Gene No.	62691	Strand	-
Start	511	End	7225
Name	OJ990409_11.9922.C20.o2.tm	Method	TBLASTX:Maize
Start	6354	End	6667
GI	none	Score	297
Exons	6354..6659, 6356..6667		
Seq. No.	30310	Seq. ID	OJ990409_11.9922.C20
Gene No.	62691	Strand	-
Start	511	End	7225
Name	OJ990409_11.9922.C20.o4.tw	Method	TBLASTX:Wheat
Start	6416	End	6802
GI	none	Score	254
Exons	6416..6802, 6417..6791		
Seq. No.	30311	Seq. ID	OJ990409_11.9922.C21
Gene No.	62692	Strand	+
Start	797	End	2175
Name	OJ990409_11.9922.C21.o1.gs	Method	GENSCAN
Start	797	End	2175
GI	none	Score	.52
Exons	797..903, 1682..2175		
Seq. No.	30311	Seq. ID	OJ990409_11.9922.C21
Gene No.	62693	Strand	-
Start	3388	End	5535
Name	OJ990409_11.9922.C21.o2.gs	Method	GENSCAN
Start	3388	End	5535
GI	none	Score	.49

Exons	3388..3506, 4643..4771, 5478..5535		
Seq. No.	30312	Seq. ID	OJ990409_11.9922.C22
Gene No.	62694	Strand	-
Start	2344	End	10603
Name	OJ990409_11.9922.C22.o2.gs	Method	GENSCAN
Start	2344	End	8727
GI	none	Score	.73
Exons	2344..2466, 2846..2948, 2954..3060, 3096..3237, 3282..3493, 6442..6537, 7163..7267, 7547..7717, 8157..8226, 8546..8727		
Seq. No.	30312	Seq. ID	OJ990409_11.9922.C22
Gene No.	62694	Strand	-
Start	2344	End	10603
Name	OJ990409_11.9922.C22.o2.np	Method	AAT/NAP
Start	4040	End	10603
GI	2130080	Score	614
Exons	4040..4139, 4460..4649, 6442..6537, 6722..6847, 7163..7267, 7547..7717, 8157..8226, 8546..8727, 10580..10603		
GI Descrip.	Nramp1 protein - rice gi|1470320|bbs|177441 (S81897) OsNramp1=Nramp1 homolog/Bcg product homolog [Oryza sativa, indica, cv. IR 36, etiolated shoots, Peptide, 517 aa] [Oryza sativa] gi|2231132 (L41217) integral membrane protein [Oryza sativa]		
Seq. No.	30312	Seq. ID	OJ990409_11.9922.C22
Gene No.	62694	Strand	-
Start	2344	End	10603
Name	OJ990409_11.9922.C22.o1.tm	Method	TBLASTX:Maize
Start	4357	End	4652
GI	none	Score	186
Exons	4357..4638, 4362..4652, 4409..4645, 4434..4652		
Seq. No.	30312	Seq. ID	OJ990409_11.9922.C22
Gene No.	62694	Strand	-
Start	2344	End	10603
Name	OJ990409_11.9922.C22.o2.tm	Method	TBLASTX:Maize
Start	8536	End	8725
GI	none	Score	143
Exons	8536..8724, 8543..8725		
Seq. No.	30313	Seq. ID	OJ990409_11.9922.C23
Gene No.	62695	Strand	+
Start	96	End	6726
Name	OJ990409_11.9922.C23.o1.gs	Method	GENSCAN
Start	96	End	6726
GI	none	Score	.42
Exons	96..367, 3885..4116, 4481..4624, 4726..4925, 6615..6726		
Seq. No.	30313	Seq. ID	OJ990409_11.9922.C23
Gene No.	62696	Strand	-
Start	1	End	7211
Name	OJ990409_11.9922.C23.o1.np	Method	AAT/NAP
Start	1	End	3640
GI	2130080	Score	342
Exons	1..85, 625..741, 1688..1792, 1872..1950, 2057..2097, 2354..2437, 3565..3640		

GI Descrip. Nramp1 protein - rice gi|1470320|bbs|177441 (S81897) OsNramp1=Nramp1 homolog/Bcg product homolog [Oryza sativa, indica, cv. IR 36, etiolated shoots, Peptide, 517 aa] [Oryza sativa] gi|2231132 (L41217) integral membrane protein [Oryza sativa]

Seq. No.	30313	Seq. ID	OJ990409_11.9922.C23
Gene No.	62696	Strand	-
Start	1	End	7211
Name	OJ990409_11.9922.C23.o1.ts	Method	TBLASTX:Soybean
Start	671	End	1956
GI	none	Score	72
Exons	671..742, 672..746, 1684..1800, 1692..1793, 1867..1956, 1871..1951		

Seq. No.	30313	Seq. ID	OJ990409_11.9922.C23
Gene No.	62696	Strand	-
Start	1	End	7211
Name	OJ990409_11.9922.C23.o2.np	Method	AAT/NAP
Start	3428	End	7211
GI	6539553	Score	478
Exons	3428..3452, 6866..7211		

GI Descrip. (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	30313	Seq. ID	OJ990409_11.9922.C23
Gene No.	62696	Strand	-
Start	1	End	7211
Name	OJ990409_11.9922.C23.o1.gp	Method	AAT/GAP
Start	4393	End	4882
GI	none	Score	960
Exons	4393..4882		

Seq. No.	30313	Seq. ID	OJ990409_11.9922.C23
Gene No.	62696	Strand	-
Start	1	End	7211
Name	OJ990409_11.9922.C23.o1.tm	Method	TBLASTX:Maize
Start	7070	End	7211
GI	none	Score	122
Exons	7070..7186, 7071..7208, 7071..7211		

Seq. No.	30314	Seq. ID	OJ990409_11.9922.C24
Gene No.	62697	Strand	-
Start	1	End	3256
Name	OJ990409_11.9922.C24.o1.np	Method	AAT/NAP
Start	1	End	678
GI	6539553	Score	850
Exons	1..678		

GI Descrip. (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	30314	Seq. ID	OJ990409_11.9922.C24
Gene No.	62697	Strand	-

Start	1	End	3256
Name	OJ990409_11.9922.C24.o1.tm	Method	TBLASTX:Maize
Start	234	End	543
GI	none	Score	112
Exons	234..413, 236..415, 239..415, 416..466, 417..467, 472..543		

Seq. No.	30314	Seq. ID	OJ990409_11.9922.C24
Gene No.	62697	Strand	-
Start	1	End	3256
Name	OJ990409_11.9922.C24.o1.gs	Method	GENSCAN
Start	293	End	3256
GI	none	Score	.58
Exons	293..469, 914..1113, 2292..3256		

Seq. No.	30314	Seq. ID	OJ990409_11.9922.C24
Gene No.	62697	Strand	-
Start	1	End	3256
Name	OJ990409_11.9922.C24.o1.tw	Method	TBLASTX:Wheat
Start	296	End	612
GI	none	Score	79
Exons	296..412, 297..413, 473..568, 475..612		

Seq. No.	30314	Seq. ID	OJ990409_11.9922.C24
Gene No.	62697	Strand	-
Start	1	End	3256
Name	OJ990409_11.9922.C24.o1.gp	Method	AAT/GAP
Start	2578	End	3014
GI	LIB3433-052-P1-K1-B4	Score	774
Exons	2578..3014		
GI Descrip.	'473602/gb|U08225|ZMU08225 4.0e-23 Zea mays W-22 histone H2A mRNA, complete cds'		

Seq. No.	30315	Seq. ID	OJ990409_11.9922.C25
Gene No.	62698	Strand	-
Start	2443	End	2802
Name	OJ990409_11.9922.C25.o1.np	Method	AAT/NAP
Start	2392	End	2582
GI	5441880	Score	134
Exons	2392..2582		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	30315	Seq. ID	OJ990409_11.9922.C25
Gene No.	62698	Strand	-
Start	2443	End	2802
Name	OJ990409_11.9922.C25.o1.gs	Method	GENSCAN
Start	2443	End	2802
GI	none	Score	.74
Exons	2443..2802		

Seq. No.	30316	Seq. ID	OJ990409_11.9922.C26
Gene No.	62699	Strand	-
Start	1	End	2540
Name	OJ990409_11.9922.C26.o1.np	Method	AAT/NAP
Start	1	End	2429
GI	5441880	Score	1605

Exons	1..43, 319..682, 941..972, 1418..2429		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	30316	Seq. ID	OJ990409_11.9922.C26
Gene No.	62699	Strand	-
Start	1	End	2540
Name	OJ990409_11.9922.C26.o1.gs	Method	GENSCAN
Start	26	End	2540
GI	none	Score	.56
Exons	26..222, 544..1134, 1460..2540		
Seq. No.	30316	Seq. ID	OJ990409_11.9922.C26
Gene No.	62699	Strand	-
Start	1	End	2540
Name	OJ990409_11.9922.C26.o1.tw	Method	TBLASTX:Wheat
Start	1190	End	1566
GI	none	Score	53
Exons	1190..1249, 1227..1364, 1297..1350, 1389..1565, 1420..1566		
Seq. No.	30316	Seq. ID	OJ990409_11.9922.C26
Gene No.	62699	Strand	-
Start	1	End	2540
Name	OJ990409_11.9922.C26.o1.tm	Method	TBLASTX:Maize
Start	1384	End	1862
GI	none	Score	217
Exons	1384..1857, 1395..1862		
Seq. No.	30317	Seq. ID	OJ990409_11.9922.C27
Gene No.	62700	Strand	+
Start	426	End	658
Name	OJ990409_11.9922.C27.o1.gs	Method	GENSCAN
Start	426	End	658
GI	none	Score	.96
Exons	426..658		
Seq. No.	30318	Seq. ID	OJ990409_11.9922.C28
Gene No.	62701	Strand	+
Start	409	End	1154
Name	OJ990409_11.9922.C28.o1.np	Method	AAT/NAP
Start	409	End	1154
GI	5852093	Score	57
Exons	409..791, 1049..1154		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	30318	Seq. ID	OJ990409_11.9922.C28
Gene No.	62702	Strand	+
Start	2686	End	9082
Name	OJ990409_11.9922.C28.o2.np	Method	AAT/NAP
Start	2129	End	2229
GI	5777617	Score	73
Exons	2129..2229		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	30318	Seq. ID	OJ990409_11.9922.C28
Gene No.	62702	Strand	+

Start	2686	End	9082
Name	OJ990409_11.9922.C28.o2.gs	Method	GENSCAN
Start	2686	End	9082
GI	none	Score	.41
Exons	2686..2826, 2927..3163, 5900..6063, 6112..6198, 7431..7500, 7991..8163, 8305..8539, 8873..9082		

Seq. No.	30318	Seq. ID	OJ990409_11.9922.C28
Gene No.	62702	Strand	+
Start	2686	End	9082
Name	OJ990409_11.9922.C28.o4.np	Method	AAT/NAP
Start	3631	End	5992
GI	5922634	Score	91
Exons	3631..3732, 5909..5992		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	30318	Seq. ID	OJ990409_11.9922.C28
Gene No.	62703	Strand	+
Start	10837	End	11265
Name	OJ990409_11.9922.C28.o1.gp	Method	AAT/GAP
Start	10837	End	11265
GI	none	Score	749
Exons	10837..11265		

Seq. No.	30318	Seq. ID	OJ990409_11.9922.C28
Gene No.	62704	Strand	-
Start	887	End	1888
Name	OJ990409_11.9922.C28.o1.gs	Method	GENSCAN
Start	887	End	1888
GI	none	Score	.45
Exons	887..971, 1689..1888		

Seq. No.	30318	Seq. ID	OJ990409_11.9922.C28
Gene No.	62705	Strand	-
Start	3471	End	4779
Name	OJ990409_11.9922.C28.o3.np	Method	AAT/NAP
Start	3471	End	4779
GI	5777617	Score	98
Exons	3471..3579, 4736..4779		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	30318	Seq. ID	OJ990409_11.9922.C28
Gene No.	62706	Strand	-
Start	10966	End	12108
Name	OJ990409_11.9922.C28.o5.np	Method	AAT/NAP
Start	10887	End	12050
GI	4926830	Score	573
Exons	10887..12050		
GI Descrip.	(AC004135) T17H7.15 [Arabidopsis thaliana]		

Seq. No.	30318	Seq. ID	OJ990409_11.9922.C28
Gene No.	62706	Strand	-
Start	10966	End	12108
Name	OJ990409_11.9922.C28.o3.gs	Method	GENSCAN
Start	10966	End	12108

GI	none	Score	.98
Exons	10966..11652, 11740..12108		

Seq. No.	30319	Seq. ID	OJ990409_11.9922.C29
Gene No.	62707	Strand	+
Start	74	End	1664
Name	OJ990409_11.9922.C29.o1.gs	Method	GENSCAN
Start	74	End	1664
GI	none	Score	.42
Exons	74..104, 616..687, 1253..1502, 1643..1664		

Seq. No.	30319	Seq. ID	OJ990409_11.9922.C29
Gene No.	62708	Strand	-
Start	2279	End	2786
Name	OJ990409_11.9922.C29.o2.gs	Method	GENSCAN
Start	2279	End	2786
GI	none	Score	.62
Exons	2279..2523, 2696..2786		

Seq. No.	30320	Seq. ID	OJ990409_11.9922.C30
Gene No.	62709	Strand	+
Start	4953	End	5252
Name	OJ990409_11.9922.C30.o2.gs	Method	GENSCAN
Start	4953	End	5252
GI	none	Score	.53
Exons	4953..5252		

Seq. No.	30320	Seq. ID	OJ990409_11.9922.C30
Gene No.	62710	Strand	-
Start	2277	End	5897
Name	OJ990409_11.9922.C30.o1.np	Method	AAT/NAP
Start	2277	End	3672
GI	5911167	Score	410
Exons	2277..2784, 2814..3672		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	30320	Seq. ID	OJ990409_11.9922.C30
Gene No.	62710	Strand	-
Start	2277	End	5897
Name	OJ990409_11.9922.C30.o1.tm	Method	TBLASTX:Maize
Start	2376	End	2660
GI	none	Score	80
Exons	2376..2657, 2385..2489, 2395..2658, 2541..2660		

Seq. No.	30320	Seq. ID	OJ990409_11.9922.C30
Gene No.	62710	Strand	-
Start	2277	End	5897
Name	OJ990409_11.9922.C30.o2.np	Method	AAT/NAP
Start	2604	End	5897
GI	4680203	Score	362
Exons	2604..2772, 2802..2873, 3036..3687, 5874..5897		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	30321	Seq. ID	OJ990409_11.9922.C31
Gene No.	62711	Strand	-
Start	245	End	1197
Name	OJ990409_11.9922.C31.o1.gs	Method	GENSCAN

Start	245	End	1197
GI	none	Score	.59
Exons	245..356, 687..784, 1146..1197		

Seq. No.	30322	Seq. ID	OJ990409_11.9922.C34
Gene No.	62712	Strand	-
Start	43	End	430
Name	OJ990409_11.9922.C34.o1.tm	Method	TBLASTX:Maize
Start	39	End	430
GI	none	Score	133
Exons	39..239, 40..264, 41..259, 233..289, 244..288, 292..414, 293..430, 297..419		

Seq. No.	30322	Seq. ID	OJ990409_11.9922.C34
Gene No.	62712	Strand	-
Start	43	End	430
Name	OJ990409_11.9922.C34.o1.gs	Method	GENSCAN
Start	43	End	366
GI	none	Score	.79
Exons	43..366		

Seq. No.	30322	Seq. ID	OJ990409_11.9922.C34
Gene No.	62712	Strand	-
Start	43	End	430
Name	OJ990409_11.9922.C34.o1.tc	Method	TBLASTX:Cress
Start	43	End	240
GI	none	Score	88
Exons	43..240, 44..235		

Seq. No.	30322	Seq. ID	OJ990409_11.9922.C34
Gene No.	62712	Strand	-
Start	43	End	430
Name	OJ990409_11.9922.C34.o1.ts	Method	TBLASTX:Soybean
Start	43	End	258
GI	none	Score	110
Exons	43..258, 44..247		

Seq. No.	30323	Seq. ID	OJ990409_11.9922.C35
Gene No.	62713	Strand	+
Start	310	End	394
Name	OJ990409_11.9922.C35.o1.gs	Method	GENSCAN
Start	310	End	394
GI	none	Score	.71
Exons	310..394		

Seq. No.	30324	Seq. ID	OJ990409_11.9922.C36
Gene No.	62714	Strand	+
Start	273	End	304
Name	OJ990409_11.9922.C36.o1.gs	Method	GENSCAN
Start	273	End	304
GI	none	Score	.89
Exons	273..304		

Seq. No.	30325	Seq. ID	OJ990409_11.9922.C37
Gene No.	62715	Strand	-
Start	1	End	452
Name	OJ990409_11.9922.C37.o1.np	Method	AAT/NAP

Start	1	End	452
GI	5295955	Score	135
Exons	1..124, 423..452		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	30326	Seq. ID	OJ990419_11.9923.C1
Gene No.	62716	Strand	-
Start	145	End	1579
Name	OJ990419_11.9923.C1.o1.tm	Method	TBLASTX:Maize
Start	35	End	1256
GI	none	Score	177
Exons	35..346, 94..126, 179..346, 183..356, 213..350, 225..374, 285..305, 294..374, 445..615, 450..641, 450..605, 451..609, 934..1254, 977..1255, 987..1256, 1059..1256		

Seq. No.	30326	Seq. ID	OJ990419_11.9923.C1
Gene No.	62716	Strand	-
Start	145	End	1579
Name	OJ990419_11.9923.C1.o1.gp	Method	AAT/GAP
Start	145	End	549
GI	427016	Score	566
Exons	145..373, 450..549		
GI Descrip.	129916/sp|P12783|PGKY_WHEAT 2.0e-36 PHOSPHOGLYCERATE KINASE, CYTOSOLIC >gi_66911_pir__TVWTGY phosphoglycerate kinase (EC 2.7.2.3), cytosolic - wheat >gi_21835_emb_CAA33302_ (X15232) phosphoglycerate kinase (AA 1 - 401) [Triticum aestivum]		

Seq. No.	30326	Seq. ID	OJ990419_11.9923.C1
Gene No.	62716	Strand	-
Start	145	End	1579
Name	OJ990419_11.9923.C1.o1.np	Method	AAT/NAP
Start	182	End	1579
GI	129916	Score	935
Exons	182..373, 450..608, 937..1256, 1556..1579		
GI Descrip.	PHOSPHOGLYCERATE KINASE, CYTOSOLIC gi|66911|pir||TVWTGY phosphoglycerate kinase (EC 2.7.2.3), cytosolic - wheat gi|21835|emb|CAA33302| (X15232) phosphoglycerate kinase (AA 1 - 401) [Triticum aestivum]		

Seq. No.	30326	Seq. ID	OJ990419_11.9923.C1
Gene No.	62716	Strand	-
Start	145	End	1579
Name	OJ990419_11.9923.C1.o1.ts	Method	TBLASTX:Soybean
Start	182	End	1256
GI	none	Score	237
Exons	182..376, 183..374, 188..376, 450..611, 450..611, 458..616, 934..1254, 980..1255, 984..1256		

Seq. No.	30326	Seq. ID	OJ990419_11.9923.C1
Gene No.	62716	Strand	-
Start	145	End	1579
Name	OJ990419_11.9923.C1.o1.tc	Method	TBLASTX:Cress
Start	182	End	1256
GI	none	Score	66
Exons	182..340, 182..376, 183..374, 445..615, 450..605, 454..609, 479..610, 934..1254, 980..1255, 984..1256		

Seq. No.	30326	Seq. ID	OJ990419_11.9923.C1
Gene No.	62716	Strand	-
Start	145	End	1579
Name	OJ990419_11.9923.C1.o1.tw	Method	TBLASTX:Wheat
Start	222	End	1006
GI	none	Score	176
Exons	222..338, 222..329, 224..340, 450..611, 450..605, 934..993,	224..340, 338..373, 342..374, 934..996, 938..1006	

Seq. No.	30326	Seq. ID	OJ990419_11.9923.C1
Gene No.	62716	Strand	-
Start	145	End	1579
Name	OJ990419_11.9923.C1.o1.gs	Method	GENSCAN
Start	247	End	1254
GI	none	Score	.94
Exons	247..373, 450..608, 937..1254		

Seq. No.	30326	Seq. ID	OJ990419_11.9923.C1
Gene No.	62716	Strand	-
Start	145	End	1579
Name	OJ990419_11.9923.C1.o2.tw	Method	TBLASTX:Wheat
Start	1009	End	1331
GI	none	Score	275
Exons	1009..1254, 1010..1255, 1020..1331, 1038..1256		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62717	Strand	+
Start	8370	End	14711
Name	OJ990419_11.9923.C2.o4.gs	Method	GENSCAN
Start	8370	End	14549
GI	none	Score	.59
Exons	8370..9330, 9385..9765, 9777..10546, 10658..11287, 11594..11644, 11663..12786, 12792..13401, 13440..14549		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62717	Strand	+
Start	8370	End	14711
Name	OJ990419_11.9923.C2.o2.np	Method	AAT/NAP
Start	11603	End	14711
GI	5902445	Score	3064
Exons	11603..13376, 13418..14711		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62718	Strand	-
Start	670	End	1055
Name	OJ990419_11.9923.C2.o1.gp	Method	AAT/GAP
Start	670	End	1055
GI	611_1.R1084	Score	539
Exons	670..886, 982..1055		
GI Descrip.	'129916/sp|P12783|PGKY_WHEAT 1.0e-38 PHOSPHOGLYCERATE KINASE, CYTOSOLIC >gi_66911_pir__TVWTGY phosphoglycerate kinase (EC 2.7.2.3), cytosolic - wheat >gi_21835_emb_CAA33302_ (X15232) phosphoglycerate kinase (AA 1 - 401) [Triticum aestivum]'		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2

Gene No.	62718	Strand	-
Start	670	End	1055
Name	OJ990419_11.9923.C2.o1.gs	Method	GENSCAN
Start	670	End	864
GI	none	Score	.99
Exons	670..864		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62719	Strand	-
Start	2952	End	5214
Name	OJ990419_11.9923.C2.o1.np	Method	AAT/NAP
Start	2742	End	5214
GI	4680501	Score	466
Exons	2742..3379, 5190..5214		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62719	Strand	-
Start	2952	End	5214
Name	OJ990419_11.9923.C2.o2.gs	Method	GENSCAN
Start	2952	End	3797
GI	none	Score	.98
Exons	2952..3749, 3756..3797		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62720	Strand	-
Start	5698	End	6792
Name	OJ990419_11.9923.C2.o3.gs	Method	GENSCAN
Start	5698	End	6792
GI	none	Score	.49
Exons	5698..6792		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62721	Strand	-
Start	14155	End	18176
Name	OJ990419_11.9923.C2.o4.np	Method	AAT/NAP
Start	14155	End	18176
GI	6907089	Score	246
Exons	14155..14225, 17523..18176		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62721	Strand	-
Start	14155	End	18176
Name	OJ990419_11.9923.C2.o3.np	Method	AAT/NAP
Start	16175	End	17977
GI	6721561	Score	938
Exons	16175..16933, 17004..17066, 17138..17306, 17896..17977		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62722	Strand	-
Start	20160	End	24245

Name	OJ990419_11.9923.C2.o6.np	Method	AAT/NAP
Start	20160	End	24245
GI	4680341	Score	161
Exons	20160..20230, 21153..21784, 24137..24245		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62722	Strand	-
Start	20160	End	24245
Name	OJ990419_11.9923.C2.o5.np	Method	AAT/NAP
Start	20663	End	20782
GI	6721512	Score	57
Exons	20663..20782		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62723	Strand	-
Start	24893	End	25119
Name	OJ990419_11.9923.C2.o2.gp	Method	AAT/GAP
Start	24893	End	25119
GI	5004057	Score	343
Exons	24893..25119		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62724	Strand	-
Start	25441	End	27326
Name	OJ990419_11.9923.C2.o1.tc	Method	TBLASTX:Cress
Start	664	End	984
GI	none	Score	151
Exons	664..984, 670..864, 677..865		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62724	Strand	-
Start	25441	End	27326
Name	OJ990419_11.9923.C2.o3.ts	Method	TBLASTX:Soybean
Start	664	End	875
GI	none	Score	207
Exons	664..867, 671..868, 771..875		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62724	Strand	-
Start	25441	End	27326
Name	OJ990419_11.9923.C2.o5.tm	Method	TBLASTX:Maize
Start	664	End	868
GI	none	Score	264
Exons	664..864, 668..865, 671..868		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62724	Strand	-
Start	25441	End	27326
Name	OJ990419_11.9923.C2.o8.tw	Method	TBLASTX:Wheat
Start	2748	End	21469
GI	none	Score	67
Exons	2748..2837, 2853..3026, 3036..3146, 5710..5808, 5711..5809, 5818..5979, 6049..6123, 21398..21469		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2

Gene No.	62724	Strand	-
Start	25441	End	27326
Name	OJ990419_11.9923.C2.o1.ts	Method	TBLASTX:Soybean
Start	2749	End	21664
GI	none	Score	58
Exons	2749..2838, 2757..2849, 2850..3020, 2896..3021, 3042..3296, 3073..3114, 3142..3276, 5722..5805, 5732..5848, 5818..5985, 6025..6294, 6068..6274, 21228..21335, 21263..21352, 21395..21493, 21420..21464, 21470..21664, 21513..21617		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62724	Strand	-
Start	25441	End	27326
Name	OJ990419_11.9923.C2.o1.tm	Method	TBLASTX:Maize
Start	2757	End	22146
GI	none	Score	141
Exons	2757..2849, 2850..3020, 3042..3296, 3073..3300, 5722..5805, 5818..5985, 6025..6294, 6080..6238, 6643..6747, 21263..21493, 21470..21658, 22000..22146		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62724	Strand	-
Start	25441	End	27326
Name	OJ990419_11.9923.C2.o2.tc	Method	TBLASTX:Cress
Start	3042	End	21670
GI	none	Score	93
Exons	3042..3299, 3073..3282, 6040..6294, 21395..21463, 21536..21670		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62724	Strand	-
Start	25441	End	27326
Name	OJ990419_11.9923.C2.o6.tw	Method	TBLASTX:Wheat
Start	9872	End	10270
GI	none	Score	59
Exons	9872..9922, 9923..10036, 9934..9984, 10010..10270, 10042..10269		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62724	Strand	-
Start	25441	End	27326
Name	OJ990419_11.9923.C2.o6.tm	Method	TBLASTX:Maize
Start	9917	End	10156
GI	none	Score	198
Exons	9917..10156		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62724	Strand	-
Start	25441	End	27326
Name	OJ990419_11.9923.C2.o3.tw	Method	TBLASTX:Wheat
Start	10901	End	21863
GI	none	Score	139
Exons	10901..11083, 10909..11082, 11120..11356, 11122..11346, 21705..21863		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62724	Strand	-
Start	25441	End	27326
Name	OJ990419_11.9923.C2.o1.tw	Method	TBLASTX:Wheat

Start	11549	End	12004
GI	none	Score	553
Exons	11549..12004, 11549..11989, 11557..12003		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62724	Strand	-
Start	25441	End	27326
Name	OJ990419_11.9923.C2.o2.tm	Method	TBLASTX:Maize
Start	11678	End	12034
GI	none	Score	418
Exons	11678..12034, 11740..12033		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62724	Strand	-
Start	25441	End	27326
Name	OJ990419_11.9923.C2.o4.tm	Method	TBLASTX:Maize
Start	12062	End	12445
GI	none	Score	329
Exons	12062..12445, 12089..12199, 12229..12444		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62724	Strand	-
Start	25441	End	27326
Name	OJ990419_11.9923.C2.o2.tw	Method	TBLASTX:Wheat
Start	12119	End	12543
GI	none	Score	465
Exons	12119..12541, 12119..12523, 12229..12543		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62724	Strand	-
Start	25441	End	27326
Name	OJ990419_11.9923.C2.o2.ts	Method	TBLASTX:Soybean
Start	12173	End	12598
GI	none	Score	308
Exons	12173..12598, 12232..12357		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62724	Strand	-
Start	25441	End	27326
Name	OJ990419_11.9923.C2.o7.tw	Method	TBLASTX:Wheat
Start	12689	End	13095
GI	none	Score	78
Exons	12689..12787, 12772..12912, 12780..12914, 12922..13095, 13024..13095		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62724	Strand	-
Start	25441	End	27326
Name	OJ990419_11.9923.C2.o9.tw	Method	TBLASTX:Wheat
Start	13138	End	13392
GI	none	Score	182
Exons	13138..13392, 13140..13265		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62724	Strand	-
Start	25441	End	27326
Name	OJ990419_11.9923.C2.o3.tm	Method	TBLASTX:Maize

Start	13596	End	13901
GI	none	Score	359
Exons	13596..13901, 13613..13900		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62724	Strand	-
Start	25441	End	27326
Name	OJ990419_11.9923.C2.o4.tw	Method	TBLASTX:Wheat
Start	13727	End	14108
GI	none	Score	366
Exons	13727..13783, 13728..14108, 13829..14071		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62724	Strand	-
Start	25441	End	27326
Name	OJ990419_11.9923.C2.o5.tw	Method	TBLASTX:Wheat
Start	14115	End	14702
GI	none	Score	247
Exons	14115..14405, 14117..14203, 14252..14344, 14385..14546, 14571..14702, 14576..14701		

Seq. No.	30327	Seq. ID	OJ990419_11.9923.C2
Gene No.	62724	Strand	-
Start	25441	End	27326
Name	OJ990419_11.9923.C2.o7.np	Method	AAT/NAP
Start	25441	End	27326
GI	4321762	Score	99
Exons	25441..25466, 26088..26220, 27125..27326		
GI Descrip.	(AF061107) transcription factor MYC7E [Zea mays]		

Seq. No.	30328	Seq. ID	OJ990419_11.9923.C3
Gene No.	62725	Strand	-
Start	390	End	3195
Name	OJ990419_11.9923.C3.o1.gs	Method	GENSCAN
Start	390	End	3192
GI	none	Score	.8
Exons	390..880, 2242..2346, 2524..2570, 2646..2760, 3087..3192		

Seq. No.	30328	Seq. ID	OJ990419_11.9923.C3
Gene No.	62725	Strand	-
Start	390	End	3195
Name	OJ990419_11.9923.C3.o1.tm	Method	TBLASTX:Maize
Start	2983	End	3195
GI	none	Score	67
Exons	2983..3063, 2987..3043, 2998..3045, 3048..3170, 3053..3193, 3064..3195, 3089..3193		

Seq. No.	30329	Seq. ID	OJ990419_11.9923.C4
Gene No.	62726	Strand	-
Start	242	End	5691
Name	OJ990419_11.9923.C4.o3.tm	Method	TBLASTX:Maize
Start	161	End	2953
GI	none	Score	67
Exons	161..241, 165..221, 176..223, 226..348, 231..371, 242..373, 267..371, 607..732, 622..732, 647..733, 648..734, 823..894, 824..895, 825..896, 1065..1109, 1066..1110, 1067..1111, 1311..1409, 1349..1399, 1363..1410, 1915..2037, 1916..2038,		

2908..2949, 2914..2952, 2915..2953

Seq. No.	30329	Seq. ID	OJ990419_11.9923.C4
Gene No.	62726	Strand	-
Start	242	End	5691
Name	OJ990419_11.9923.C4.o1.gs	Method	GENSCAN
Start	242	End	5621
GI	none	Score	.96
Exons	242..370, 1349..1408, 1918..2037, 2917..3189, 3261..3332, 3873..3965, 4032..4214, 4619..4735, 4809..5621		

Seq. No.	30329	Seq. ID	OJ990419_11.9923.C4
Gene No.	62726	Strand	-
Start	242	End	5691
Name	OJ990419_11.9923.C4.o1.ts	Method	TBLASTX:Soybean
Start	622	End	1111
GI	none	Score	97
Exons	622..732, 624..731, 647..736, 648..737, 823..894, 824..895, 824..901, 1067..1111		

Seq. No.	30329	Seq. ID	OJ990419_11.9923.C4
Gene No.	62726	Strand	-
Start	242	End	5691
Name	OJ990419_11.9923.C4.o1.np	Method	AAT/NAP
Start	1894	End	5691
GI	3193327	Score	1075
Exons	1894..2037, 2917..3382, 4005..4310, 4655..4762, 4809..5691		
GI Descrip.	(AF069299) No definition line found [Arabidopsis thaliana]		

Seq. No.	30329	Seq. ID	OJ990419_11.9923.C4
Gene No.	62726	Strand	-
Start	242	End	5691
Name	OJ990419_11.9923.C4.o2.tm	Method	TBLASTX:Maize
Start	2954	End	3303
GI	none	Score	84
Exons	2954..3028, 2954..3085, 2958..3086, 2958..3086, 2959..3093, 3097..3189, 3104..3208, 3104..3199, 3258..3302, 3258..3302, 3262..3303		

Seq. No.	30329	Seq. ID	OJ990419_11.9923.C4
Gene No.	62726	Strand	-
Start	242	End	5691
Name	OJ990419_11.9923.C4.o1.tm	Method	TBLASTX:Maize
Start	5010	End	5531
GI	none	Score	145
Exons	5010..5060, 5012..5173, 5036..5173, 5097..5183, 5171..5221, 5172..5234, 5205..5393, 5221..5307, 5238..5423, 5401..5472, 5402..5473, 5415..5477, 5478..5531		

Seq. No.	30330	Seq. ID	OJ990419_11.9923.C5
Gene No.	62727	Strand	-
Start	1	End	1091
Name	OJ990419_11.9923.C5.o1.np	Method	AAT/NAP
Start	1	End	1091
GI	3193327	Score	277
Exons	1..183, 275..595, 970..1091		
GI Descrip.	(AF069299) No definition line found [Arabidopsis thaliana]		

Seq. No.	30330	Seq. ID	OJ990419_11.9923.C5
Gene No.	62727	Strand	-
Start	1	End	1091
Name	OJ990419_11.9923.C5.o1.gs	Method	GENSCAN
Start	11	End	1091
GI	none	Score	.73
Exons	11..1091		

Seq. No.	30331	Seq. ID	OJ990419_11.9923.C6
Gene No.	62728	Strand	-
Start	1	End	2240
Name	OJ990419_11.9923.C6.o1.np	Method	AAT/NAP
Start	1	End	2240
GI	3193327	Score	208
Exons	1..261, 1915..2240		
GI Descrip.	(AF069299) No definition line found [Arabidopsis thaliana]		

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62729	Strand	+
Start	130	End	298
Name	OJ990419_11.9923.C7.o1.gs	Method	GENSCAN
Start	130	End	298
GI	none	Score	.59
Exons	130..203, 235..298		

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62730	Strand	+
Start	794	End	4603
Name	OJ990419_11.9923.C7.o1.np	Method	AAT/NAP
Start	794	End	3718
GI	6016874	Score	2129
Exons	794..872, 956..1093, 1158..1389, 1780..1939, 2333..2512, 2630..2970, 3443..3718		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62730	Strand	+
Start	794	End	4603
Name	OJ990419_11.9923.C7.o2.gs	Method	GENSCAN
Start	794	End	2973
GI	none	Score	.76
Exons	794..872, 956..1093, 1158..1246, 1780..1939, 2513..2973		

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62730	Strand	+
Start	794	End	4603
Name	OJ990419_11.9923.C7.o1.gp	Method	AAT/GAP
Start	1482	End	1990
GI	uC-osflcyp110c07b1	Score	958
Exons	1482..1990		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62730	Strand	+
Start	794	End	4603
Name	OJ990419_11.9923.C7.o2.np	Method	AAT/NAP
Start	3093	End	4603
GI	6006367	Score	50
Exons	3093..3119, 4523..4603		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62731	Strand	-
Start	3418	End	10009
Name	OJ990419_11.9923.C7.o3.tm	Method	TBLASTX:Maize
Start	1142	End	1587
GI	none	Score	69
Exons	1142..1228, 1214..1351, 1333..1491, 1492..1554, 1549..1587		

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62731	Strand	-
Start	3418	End	10009
Name	OJ990419_11.9923.C7.o4.tm	Method	TBLASTX:Maize
Start	1681	End	1995
GI	none	Score	65
Exons	1681..1755, 1768..1995, 1771..1899, 1776..1994		

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62731	Strand	-
Start	3418	End	10009
Name	OJ990419_11.9923.C7.o5.tm	Method	TBLASTX:Maize
Start	2200	End	2552
GI	none	Score	240
Exons	2200..2481, 2211..2552		

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62731	Strand	-
Start	3418	End	10009
Name	OJ990419_11.9923.C7.o2.tm	Method	TBLASTX:Maize
Start	2664	End	2907
GI	none	Score	282
Exons	2664..2822, 2674..2907		

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62731	Strand	-
Start	3418	End	10009
Name	OJ990419_11.9923.C7.o3.gs	Method	GENSCAN
Start	3418	End	10009
GI	none	Score	.44
Exons	3418..3691, 4538..4650, 5616..5921, 6166..6406, 6507..6820, 7426..8229, 8592..8615, 8665..8710, 8863..8915, 9755..10009		

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62731	Strand	-
Start	3418	End	10009
Name	OJ990419_11.9923.C7.o3.np	Method	AAT/NAP
Start	5583	End	9356
GI	4325041	Score	2630
Exons	5583..5921, 6166..6406, 6507..6820, 7149..8287, 9283..9356		

GI Descrip. (AF117339) FtsH-like protein Pftf precursor [Nicotiana tabacum]

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62731	Strand	-
Start	3418	End	10009
Name	OJ990419_11.9923.C7.o1.tm	Method	TBLASTX:Maize
Start	5604	End	8321
GI	none	Score	383
Exons	5604..5924, 5613..5924, 5614..5925, 6162..6215, 6163..6408, 6163..6414, 6167..6412, 6167..6415, 6498..6824, 6506..6823, 6511..6831, 6512..6832, 7143..7202, 7147..7200, 7293..7364, 7294..7356, 7404..7505, 7406..7642, 7407..7637, 7408..7638, 7411..7644, 7412..7639, 7601..7714, 7635..7970, 7636..8310, 7765..8319, 7766..8320, 8178..8321		

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62731	Strand	-
Start	3418	End	10009
Name	OJ990419_11.9923.C7.o1.ts	Method	TBLASTX:Soybean
Start	5613	End	8163
GI	none	Score	215
Exons	5613..5924, 5613..5924, 5614..5925, 6163..6414, 6167..6412, 6184..6417, 6276..6419, 6495..6662, 6498..6833, 6506..6823, 6508..6834, 6706..6834, 7143..7202, 7144..7203, 7293..7376, 7300..7365, 7404..7499, 7411..7716, 7415..7714, 7683..7748, 7768..8163, 7771..8109, 7775..8152		

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62731	Strand	-
Start	3418	End	10009
Name	OJ990419_11.9923.C7.o3.tc	Method	TBLASTX:Cress
Start	5613	End	6264
GI	none	Score	290
Exons	5613..5864, 5614..5853, 5835..5924, 5836..5925, 6163..6264, 6167..6262		

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62731	Strand	-
Start	3418	End	10009
Name	OJ990419_11.9923.C7.o2.gp	Method	AAT/GAP
Start	6232	End	7953
GI	1422_4.R1084	Score	2067
Exons	6232..6406, 6507..6820, 7149..7202, 7293..7383, 7406..7953		
GI Descrip.	'3808101/emb|CAA09935.1| 0.0e+00 (AJ012165) chloroplast protease [Capsicum annuum]'		

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62731	Strand	-
Start	3418	End	10009
Name	OJ990419_11.9923.C7.o1.tc	Method	TBLASTX:Cress
Start	6265	End	7663
GI	none	Score	179
Exons	6265..6414, 6266..6406, 6267..6410, 6495..6641, 6498..6833, 6506..6823, 6508..6831, 7143..7202, 7144..7203, 7293..7352, 7300..7353, 7329..7358, 7330..7356, 7404..7499, 7406..7516, 7407..7508, 7411..7662, 7412..7663		

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62731	Strand	-
Start	3418	End	10009
Name	OJ990419_11.9923.C7.o1.tw	Method	TBLASTX:Wheat
Start	6551	End	7203
GI	none	Score	350
Exons	6551..6823, 6552..6824, 6553..6831, 6706..6831, 7137..7202, 7143..7202, 7144..7203		

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62731	Strand	-
Start	3418	End	10009
Name	OJ990419_11.9923.C7.o2.tw	Method	TBLASTX:Wheat
Start	7329	End	7627
GI	none	Score	111
Exons	7329..7376, 7411..7611, 7439..7627		

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62731	Strand	-
Start	3418	End	10009
Name	OJ990419_11.9923.C7.o2.tc	Method	TBLASTX:Cress
Start	7796	End	8196
GI	none	Score	366
Exons	7796..8110, 7822..8127, 8134..8196, 8138..8188		

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62731	Strand	-
Start	3418	End	10009
Name	OJ990419_11.9923.C7.o3.gp	Method	AAT/GAP
Start	7966	End	9013
GI	none	Score	916
Exons	7966..8316, 8863..9013		

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62731	Strand	-
Start	3418	End	10009
Name	OJ990419_11.9923.C7.o2.ts	Method	TBLASTX:Soybean
Start	9731	End	9923
GI	none	Score	201
Exons	9731..9922, 9738..9923		

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62731	Strand	-
Start	3418	End	10009
Name	OJ990419_11.9923.C7.o4.tc	Method	TBLASTX:Cress
Start	9731	End	10006
GI	none	Score	233
Exons	9731..9967, 9735..9959, 9872..9967, 9971..10006		

Seq. No.	30332	Seq. ID	OJ990419_11.9923.C7
Gene No.	62731	Strand	-
Start	3418	End	10009
Name	OJ990419_11.9923.C7.o6.tm	Method	TBLASTX:Maize
Start	9731	End	9872
GI	none	Score	206
Exons	9731..9871, 9735..9872		

Seq. No.	30333	Seq. ID	OJ990419_11.9923.C8
Gene No.	62732	Strand	-
Start	84	End	1764
Name	OJ990419_11.9923.C8.o1.gs	Method	GENSCAN
Start	84	End	1726
GI	none	Score	.55
Exons	84..559, 832..1502, 1614..1726		

Seq. No.	30333	Seq. ID	OJ990419_11.9923.C8
Gene No.	62732	Strand	-
Start	84	End	1764
Name	OJ990419_11.9923.C8.o1.ts	Method	TBLASTX:Soybean
Start	276	End	1049
GI	none	Score	295
Exons	276..542, 277..540, 833..1048, 849..1049		

Seq. No.	30333	Seq. ID	OJ990419_11.9923.C8
Gene No.	62732	Strand	-
Start	84	End	1764
Name	OJ990419_11.9923.C8.o2.tm	Method	TBLASTX:Maize
Start	513	End	1088
GI	none	Score	61
Exons	513..542, 514..543, 826..984, 833..1087, 837..1088		

Seq. No.	30333	Seq. ID	OJ990419_11.9923.C8
Gene No.	62732	Strand	-
Start	84	End	1764
Name	OJ990419_11.9923.C8.o1.tc	Method	TBLASTX:Cress
Start	968	End	1490
GI	none	Score	404
Exons	968..1486, 969..1490, 1156..1488		

Seq. No.	30333	Seq. ID	OJ990419_11.9923.C8
Gene No.	62732	Strand	-
Start	84	End	1764
Name	OJ990419_11.9923.C8.o3.ts	Method	TBLASTX:Soybean
Start	1049	End	1346
GI	5058398	Score	113
Exons	1049..1156, 1050..1166, 1068..1133, 1115..1345, 1206..1346		
GI Descrip.	-		

Seq. No.	30333	Seq. ID	OJ990419_11.9923.C8
Gene No.	62732	Strand	-
Start	84	End	1764
Name	OJ990419_11.9923.C8.o1.tm	Method	TBLASTX:Maize
Start	1115	End	1764
GI	none	Score	86
Exons	1115..1192, 1116..1193, 1117..1194, 1224..1502, 1226..1504, 1237..1503, 1241..1504, 1242..1505, 1610..1762, 1611..1763, 1613..1762, 1630..1764		

Seq. No.	30333	Seq. ID	OJ990419_11.9923.C8
Gene No.	62732	Strand	-
Start	84	End	1764
Name	OJ990419_11.9923.C8.o1.tw	Method	TBLASTX:Wheat
Start	1366	End	1764
GI	none	Score	209

Exons	1366..1398, 1367..1504, 1368..1505, 1611..1763, 1613..1762, 1630..1764		
Seq. No.	30333	Seq. ID	OJ990419_11.9923.C8
Gene No.	62732	Strand	-
Start	84	End	1764
Name	OJ990419_11.9923.C8.o2.ts	Method	TBLASTX:Soybean
Start	1395	End	1753
GI	none	Score	124
Exons	1395..1505, 1397..1504, 1611..1748, 1613..1753		
Seq. No.	30334	Seq. ID	OJ990419_11.9923.C9
Gene No.	62733	Strand	-
Start	65	End	2155
Name	OJ990419_11.9923.C9.o1.gs	Method	GENSCAN
Start	65	End	2155
GI	none	Score	.66
Exons	65..187, 457..637, 704..805, 894..1013, 1119..1272, 2036..2155		
Seq. No.	30334	Seq. ID	OJ990419_11.9923.C9
Gene No.	62733	Strand	-
Start	65	End	2155
Name	OJ990419_11.9923.C9.o1.tm	Method	TBLASTX:Maize
Start	398	End	1193
GI	none	Score	263
Exons	398..619, 429..623, 620..772, 701..808, 701..808, 881..1024, 891..1040, 892..1014, 1105..1191, 1117..1191, 1119..1193		
Seq. No.	30334	Seq. ID	OJ990419_11.9923.C9
Gene No.	62733	Strand	-
Start	65	End	2155
Name	OJ990419_11.9923.C9.o1.ts	Method	TBLASTX:Soybean
Start	773	End	1206
GI	none	Score	45
Exons	773..808, 777..806, 881..1024, 891..1076, 892..1014, 1000..1206, 1086..1205		
Seq. No.	30335	Seq. ID	OJ990419_11.9923.C10
Gene No.	62734	Strand	+
Start	9427	End	14536
Name	OJ990419_11.9923.C10.o2.gs	Method	GENSCAN
Start	9427	End	14536
GI	none	Score	.75
Exons	9427..9477, 10654..10776, 11139..11212, 11306..11360, 11663..11713, 11961..12009, 12457..12579, 12687..12743, 13280..13370, 13468..13812, 13878..14138, 14482..14536		
Seq. No.	30335	Seq. ID	OJ990419_11.9923.C10
Gene No.	62734	Strand	+
Start	9427	End	14536
Name	OJ990419_11.9923.C10.o3.gp	Method	AAT/GAP
Start	9458	End	11689
GI	uC-osflcyp055a02b1	Score	836
Exons	9458..9553, 10654..10869, 11139..11212, 11306..11360, 11663..11689		
GI Descrip.	'3878874/emb|CAA93672.1| 2.0e-12 (Z69793) R03A10.3 [Caenorhabditis elegans]'		

Seq. No.	30335	Seq. ID	OJ990419_11.9923.C10
Gene No.	62734	Strand	+
Start	9427	End	14536
Name	OJ990419_11.9923.C10.o2.np	Method	AAT/NAP
Start	10726	End	12916
GI	6513925	Score	447
Exons	10726..10869, 11139..11212, 11306..11360, 11663..11737, 11810..11883, 11961..12009, 12495..12579, 12687..12743, 12873..12916		
GI Descrip.	(AC011664) unknown protein [Arabidopsis thaliana]		

Seq. No.	30335	Seq. ID	OJ990419_11.9923.C10
Gene No.	62735	Strand	-
Start	1	End	6808
Name	OJ990419_11.9923.C10.o1.np	Method	AAT/NAP
Start	1	End	3015
GI	6907099	Score	190
Exons	1..90, 2332..2395, 2908..3015		
GI Descrip.	(AP001129) Similar to Arabidopsis thaliana DNA chromosome 4, ESSA I contig fragment No. 6, membrane protein homolog. (Z97341) [Oryza sativa]		

Seq. No.	30335	Seq. ID	OJ990419_11.9923.C10
Gene No.	62735	Strand	-
Start	1	End	6808
Name	OJ990419_11.9923.C10.o1.gs	Method	GENSCAN
Start	239	End	6808
GI	none	Score	.52
Exons	239..331, 2336..2395, 2908..3017, 3458..3851, 4630..4687, 6531..6808		

Seq. No.	30335	Seq. ID	OJ990419_11.9923.C10
Gene No.	62735	Strand	-
Start	1	End	6808
Name	OJ990419_11.9923.C10.o1.gp	Method	AAT/GAP
Start	1127	End	1725
GI	uC-osflcyp110b03a1	Score	990
Exons	1127..1576, 1660..1725		
GI Descrip.	'3878874/emb|CAA93672.1| 2.0e-12 (Z69793) R03A10.3 [Caenorhabditis elegans]'		

Seq. No.	30335	Seq. ID	OJ990419_11.9923.C10
Gene No.	62735	Strand	-
Start	1	End	6808
Name	OJ990419_11.9923.C10.o2.gp	Method	AAT/GAP
Start	2968	End	4695
GI	uC-osflcyp110b03b1	Score	882
Exons	2968..3017, 3458..3568, 3656..3814, 3910..4033, 4630..4695		
GI Descrip.	'2191140 3.0e-19 (AF007269) contains weak similarity to MYB-related proteins [Arabidopsis thaliana]'		

Seq. No.	30335	Seq. ID	OJ990419_11.9923.C10
Gene No.	62736	Strand	-
Start	9517	End	14071
Name	OJ990419_11.9923.C10.o2.tm	Method	TBLASTX:Maize
Start	1243	End	1689

GI	none	Score	47
Exons	1243..1287, 1245..1277, 1259..1321, 1325..1378, 1331..1378, 1367..1438, 1387..1431, 1429..1515, 1457..1510, 1503..1574, 1513..1575, 1659..1688, 1663..1689		

Seq. No.	30335	Seq. ID	OJ990419_11.9923.C10
Gene No.	62736	Strand	-
Start	9517	End	14071
Name	OJ990419_11.9923.C10.o3.np	Method	AAT/NAP
Start	9517	End	14071
GI	6630700	Score	631
Exons	9517..9623, 13424..13755, 13781..14071		
GI Descrip.	(AP000969) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa] gi|6721537|dbj|BAA89567.1| (AP001073) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa]		

Seq. No.	30335	Seq. ID	OJ990419_11.9923.C10
Gene No.	62736	Strand	-
Start	9517	End	14071
Name	OJ990419_11.9923.C10.o1.tm	Method	TBLASTX:Maize
Start	10679	End	12736
GI	none	Score	106
Exons	10679..10774, 10820..10867, 11138..11212, 11139..11213, 11295..11360, 11300..11356, 11660..11740, 11662..11739, 11801..11884, 11806..11886, 11809..11886, 11958..12008, 11958..12053, 11959..12033, 12492..12578, 12494..12583, 12685..12735, 12686..12736		

Seq. No.	30335	Seq. ID	OJ990419_11.9923.C10
Gene No.	62736	Strand	-
Start	9517	End	14071
Name	OJ990419_11.9923.C10.o1.tc	Method	TBLASTX:Cress
Start	11295	End	12706
GI	none	Score	78
Exons	11295..11360, 11660..11740, 11662..11739, 11801..11878, 11809..11886, 11961..12008, 11965..12033, 12492..12572, 12494..12556, 12689..12706		

Seq. No.	30335	Seq. ID	OJ990419_11.9923.C10
Gene No.	62736	Strand	-
Start	9517	End	14071
Name	OJ990419_11.9923.C10.o1.tw	Method	TBLASTX:Wheat
Start	11660	End	12907
GI	none	Score	90
Exons	11660..11740, 11662..11739, 11807..11884, 11807..11881, 11809..11886, 11958..12005, 11958..12005, 11959..12033, 12492..12584, 12494..12607, 12494..12607, 12679..12741, 12686..12742, 12868..12906, 12869..12907		

Seq. No.	30336	Seq. ID	OJ990419_11.9923.C11
Gene No.	62737	Strand	+
Start	1166	End	8033
Name	OJ990419_11.9923.C11.o1.gs	Method	GENSCAN
Start	1166	End	7658
GI	none	Score	.82
Exons	1166..1277, 1692..1796, 1903..1961, 2777..2963, 3363..3474,		

3716..3801, 4135..4291, 4363..4465, 4669..4785, 5212..5289, 5584..5677, 5975..6039, 6281..6429, 6681..6913, 7110..7240, 7348..7458, 7542..7658

Seq. No.	30336	Seq. ID	OJ990419_11.9923.C11
Gene No.	62737	Strand	+
Start	1166	End	8033
Name	OJ990419_11.9923.C11.o1.np	Method	AAT/NAP
Start	1433	End	7419
GI	5758310	Score	438
Exons	1433..1511, 1698..1839, 2315..2487, 2805..2904, 3376..3447, 3502..3669, 3756..3801, 4002..4042, 4134..4255, 4301..4465, 4672..4785, 5212..5289, 5373..5477, 5584..5706, 5791..5874, 5975..6039, 6281..6415, 6670..6787, 6821..6898, 7122..7240, 7348..7419		
GI Descrip.	(AF162681) maroon-like protein [Drosophila melanogaster]		

Seq. No.	30336	Seq. ID	OJ990419_11.9923.C11
Gene No.	62737	Strand	+
Start	1166	End	8033
Name	OJ990419_11.9923.C11.o1.gp	Method	AAT/GAP
Start	3567	End	4210
GI	3766624	Score	452
Exons	3567..3669, 3756..3801, 4002..4040, 4135..4210		
GI Descrip.	3878874/emb|CAA93672.1| 2.0e-12 (Z69793) R03A10.3 [Caenorhabditis elegans]		

Seq. No.	30336	Seq. ID	OJ990419_11.9923.C11
Gene No.	62737	Strand	+
Start	1166	End	8033
Name	OJ990419_11.9923.C11.o2.np	Method	AAT/NAP
Start	5793	End	7237
GI	5852321	Score	88
Exons	5793..5874, 5975..6118, 6635..6909, 7133..7237		
GI Descrip.	(AF088856) hypothetical protein [Vogesella indigofera]		

Seq. No.	30336	Seq. ID	OJ990419_11.9923.C11
Gene No.	62737	Strand	+
Start	1166	End	8033
Name	OJ990419_11.9923.C11.o2.gp	Method	AAT/GAP
Start	7199	End	8033
GI	3766625	Score	1178
Exons	7199..7240, 7348..7458, 7542..8033		

Seq. No.	30336	Seq. ID	OJ990419_11.9923.C11
Gene No.	62738	Strand	-
Start	8214	End	10059
Name	OJ990419_11.9923.C11.o2.ts	Method	TBLASTX:Soybean
Start	1145	End	2470
GI	none	Score	138
Exons	1145..1276, 1700..1795, 1708..1812, 2315..2470, 2319..2468, 2327..2470		

Seq. No.	30336	Seq. ID	OJ990419_11.9923.C11
Gene No.	62738	Strand	-
Start	8214	End	10059
Name	OJ990419_11.9923.C11.o2.tc	Method	TBLASTX:Cress

Start	3571	End	3803
GI	none	Score	151
Exons	3571..3672, 3573..3671, 3575..3673, 3750..3803, 3758..3802		

Seq. No.	30336	Seq. ID	OJ990419_11.9923.C11
Gene No.	62738	Strand	-
Start	8214	End	10059
Name	OJ990419_11.9923.C11.o3.ts	Method	TBLASTX:Soybean
Start	3597	End	4262
GI	none	Score	62
Exons	3597..3668, 3597..3668, 3598..3675, 3977..4042, 4000..4041, 4110..4262, 4115..4258		

Seq. No.	30336	Seq. ID	OJ990419_11.9923.C11
Gene No.	62738	Strand	-
Start	8214	End	10059
Name	OJ990419_11.9923.C11.o1.tm	Method	TBLASTX:Maize
Start	4337	End	5684
GI	none	Score	146
Exons	4337..4459, 4363..4452, 4668..4784, 4677..4784, 4678..4785, 5194..5298, 5205..5297, 5343..5477, 5373..5477, 5374..5478, 5375..5479, 5584..5676, 5586..5684, 5595..5684		

Seq. No.	30336	Seq. ID	OJ990419_11.9923.C11
Gene No.	62738	Strand	-
Start	8214	End	10059
Name	OJ990419_11.9923.C11.o1.tc	Method	TBLASTX:Cress
Start	5211	End	6033
GI	none	Score	48
Exons	5211..5267, 5211..5300, 5212..5298, 5373..5477, 5374..5478, 5374..5472, 5375..5473, 5584..5655, 5763..5879, 5974..6033		

Seq. No.	30336	Seq. ID	OJ990419_11.9923.C11
Gene No.	62738	Strand	-
Start	8214	End	10059
Name	OJ990419_11.9923.C11.o1.ts	Method	TBLASTX:Soybean
Start	7133	End	7694
GI	none	Score	115
Exons	7133..7240, 7138..7239, 7339..7461, 7347..7460, 7530..7583, 7575..7694, 7617..7646		

Seq. No.	30336	Seq. ID	OJ990419_11.9923.C11
Gene No.	62738	Strand	-
Start	8214	End	10059
Name	OJ990419_11.9923.C11.o2.tm	Method	TBLASTX:Maize
Start	7332	End	7659
GI	none	Score	182
Exons	7332..7451, 7333..7455, 7333..7452, 7334..7453, 7529..7651, 7533..7652, 7546..7659, 7546..7659		

Seq. No.	30336	Seq. ID	OJ990419_11.9923.C11
Gene No.	62738	Strand	-
Start	8214	End	10059
Name	OJ990419_11.9923.C11.o2.gs	Method	GENSCAN
Start	8214	End	10059
GI	none	Score	.94
Exons	8214..8247, 8874..8956, 9051..9729, 9825..9895, 9967..10059		

Seq. No.	30337	Seq. ID	OJ990419_11.9923.C12
Gene No.	62739	Strand	+
Start	471	End	2012
Name	OJ990419_11.9923.C12.o1.gs	Method	GENSCAN
Start	471	End	2012
GI	none	Score	.56
Exons	471..843, 893..1116, 1836..2012		

Seq. No.	30337	Seq. ID	OJ990419_11.9923.C12
Gene No.	62740	Strand	+
Start	2889	End	9058
Name	OJ990419_11.9923.C12.o2.gs	Method	GENSCAN
Start	2889	End	9058
GI	none	Score	.41
Exons	2889..2964, 4828..4918, 5421..5530, 8931..9058		

Seq. No.	30337	Seq. ID	OJ990419_11.9923.C12
Gene No.	62741	Strand	+
Start	12311	End	16281
Name	OJ990419_11.9923.C12.o3.gs	Method	GENSCAN
Start	12311	End	16031
GI	none	Score	.58
Exons	12311..16031		

Seq. No.	30337	Seq. ID	OJ990419_11.9923.C12
Gene No.	62741	Strand	+
Start	12311	End	16281
Name	OJ990419_11.9923.C12.o1.np	Method	AAT/NAP
Start	12719	End	16281
GI	6466937	Score	2004
Exons	12719..13171, 13214..16281		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	30337	Seq. ID	OJ990419_11.9923.C12
Gene No.	62742	Strand	-
Start	9214	End	9672
Name	OJ990419_11.9923.C12.o1.gp	Method	AAT/GAP
Start	9214	End	9672
GI	LIB3432-059-P1-K1-D8	Score	760
Exons	9214..9672		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	30337	Seq. ID	OJ990419_11.9923.C12
Gene No.	62743	Strand	
Start	13337	End	14182
Name	OJ990419_11.9923.C12.o5.tm	Method	TBLASTX:Maize
Start	13337	End	14182
GI	none	Score	121
Exons	13337..13471, 13544..13786, 13874..13963, 14078..14182		

Seq. No.	30337	Seq. ID	OJ990419_11.9923.C12
Gene No.	62744	Strand	
Start	14171	End	14707
Name	OJ990419_11.9923.C12.o1.tw	Method	TBLASTX:Wheat

Start	14171	End	14653
GI	none	Score	366
Exons	14171..14653, 14318..14494, 14323..14610		

Seq. No.	30337	Seq. ID	OJ990419_11.9923.C12
Gene No.	62744	Strand	
Start	14171	End	14707
Name	OJ990419_11.9923.C12.o4.ts	Method	TBLASTX:Soybean
Start	14207	End	14521
GI	none	Score	205
Exons	14207..14521, 14321..14521		

Seq. No.	30337	Seq. ID	OJ990419_11.9923.C12
Gene No.	62744	Strand	
Start	14171	End	14707
Name	OJ990419_11.9923.C12.o2.tm	Method	TBLASTX:Maize
Start	14234	End	14707
GI	none	Score	595
Exons	14234..14707, 14237..14665, 14251..14697		

Seq. No.	30337	Seq. ID	OJ990419_11.9923.C12
Gene No.	62745	Strand	
Start	14630	End	15268
Name	OJ990419_11.9923.C12.o1.ts	Method	TBLASTX:Soybean
Start	14630	End	14989
GI	none	Score	288
Exons	14630..14989, 14647..14976		

Seq. No.	30337	Seq. ID	OJ990419_11.9923.C12
Gene No.	62745	Strand	
Start	14630	End	15268
Name	OJ990419_11.9923.C12.o2.tw	Method	TBLASTX:Wheat
Start	14702	End	15103
GI	none	Score	329
Exons	14702..15103, 14749..15069		

Seq. No.	30337	Seq. ID	OJ990419_11.9923.C12
Gene No.	62745	Strand	
Start	14630	End	15268
Name	OJ990419_11.9923.C12.o1.tm	Method	TBLASTX:Maize
Start	14726	End	15253
GI	none	Score	598
Exons	14726..15253, 14746..15243, 14819..15097		

Seq. No.	30337	Seq. ID	OJ990419_11.9923.C12
Gene No.	62745	Strand	
Start	14630	End	15268
Name	OJ990419_11.9923.C12.o3.ts	Method	TBLASTX:Soybean
Start	15011	End	15268
GI	none	Score	217
Exons	15011..15268, 15028..15162		

Seq. No.	30337	Seq. ID	OJ990419_11.9923.C12
Gene No.	62746	Strand	
Start	15254	End	16227
Name	OJ990419_11.9923.C12.o4.tm	Method	TBLASTX:Maize
Start	15254	End	15679

GI	none	Score	228
Exons	15254..15439, 15254..15424, 15256..15438, 15449..15679, 15544..15678		

Seq. No.	30337	Seq. ID	OJ990419_11.9923.C12
Gene No.	62746	Strand	
Start	15254	End	16227
Name	OJ990419_11.9923.C12.o3.tw	Method	TBLASTX:Wheat
Start	15437	End	15847
GI	none	Score	233
Exons	15437...15736, 15589..15708, 15775..15846, 15800..15847		

Seq. No.	30337	Seq. ID	OJ990419_11.9923.C12
Gene No.	62746	Strand	
Start	15254	End	16227
Name	OJ990419_11.9923.C12.o3.tm	Method	TBLASTX:Maize
Start	15680	End	16227
GI	none	Score	78
Exons	15680..15742, 15682..15744, 15790..16227, 15800..16225		

Seq. No.	30337	Seq. ID	OJ990419_11.9923.C12
Gene No.	62746	Strand	
Start	15254	End	16227
Name	OJ990419_11.9923.C12.o2.ts	Method	TBLASTX:Soybean
Start	15739	End	16087
GI	none	Score	279
Exons	15739..16086, 15818..16087, 15842..16087		

Seq. No.	30337	Seq. ID	OJ990419_11.9923.C12
Gene No.	62746	Strand	
Start	15254	End	16227
Name	OJ990419_11.9923.C12.o4.tw	Method	TBLASTX:Wheat
Start	15935	End	16213
GI	none	Score	229
Exons	15935..16213, 16027..16113		

Seq. No.	30338	Seq. ID	OJ990419_11.9923.C13
Gene No.	62747	Strand	+
Start	1	End	2849
Name	OJ990419_11.9923.C13.o1.np	Method	AAT/NAP
Start	1	End	1053
GI	3810596	Score	277
Exons	1..543, 1020..1053		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	30338	Seq. ID	OJ990419_11.9923.C13
Gene No.	62747	Strand	+
Start	1	End	2849
Name	OJ990419_11.9923.C13.o1.gs	Method	GENSCAN
Start	5	End	2576
GI	none	Score	.58
Exons	5..443, 483..689, 1244..1298, 2059..2166, 2413..2576		

Seq. No.	30338	Seq. ID	OJ990419_11.9923.C13
Gene No.	62747	Strand	+
Start	1	End	2849

Name	OJ990419_11.9923.C13.o1.tm	Method	TBLASTX:Maize
Start	17	End	661
GI	none	Score	72
Exons	17..337, 18..179, 20..661, 442..564, 506..595		

Seq. No.	30338	Seq. ID	OJ990419_11.9923.C13
Gene No.	62747	Strand	+
Start	1	End	2849
Name	OJ990419_11.9923.C13.o1.tw	Method	TBLASTX:Wheat
Start	44	End	385
GI	none	Score	325
Exons	44..385, 44..337, 79..345		

Seq. No.	30338	Seq. ID	OJ990419_11.9923.C13
Gene No.	62747	Strand	+
Start	1	End	2849
Name	OJ990419_11.9923.C13.o2.np	Method	AAT/NAP
Start	565	End	2849
GI	3395442	Score	70
Exons	565..697, 2468..2580, 2829..2849		
GI Descrip.	(AC004683) unknown protein [Arabidopsis thaliana]		

Seq. No.	30339	Seq. ID	OJ990419_11.9923.C14
Gene No.	62748	Strand	+
Start	819	End	1802
Name	OJ990419_11.9923.C14.o1.np	Method	AAT/NAP
Start	819	End	1802
GI	4455293	Score	43
Exons	819..955, 1782..1802		
GI Descrip.	(AL035528) putative protein [Arabidopsis thaliana]		

Seq. No.	30339	Seq. ID	OJ990419_11.9923.C14
Gene No.	62748	Strand	+
Start	819	End	1802
Name	OJ990419_11.9923.C14.o1.gs	Method	GENSCAN
Start	871	End	1508
GI	none	Score	.93
Exons	871..947, 1111..1304, 1421..1508		

Seq. No.	30340	Seq. ID	OJ990419_11.9923.C15
Gene No.	62749	Strand	+
Start	407	End	694
Name	OJ990419_11.9923.C15.o1.gs	Method	GENSCAN
Start	407	End	694
GI	none	Score	1
Exons	407..694		

Seq. No.	30340	Seq. ID	OJ990419_11.9923.C15
Gene No.	62750	Strand	+
Start	2668	End	4208
Name	OJ990419_11.9923.C15.o2.gs	Method	GENSCAN
Start	2668	End	4208
GI	none	Score	.45
Exons	2668..2713, 3080..3467, 3495..3660, 4034..4208		

Seq. No.	30341	Seq. ID	OJ990419_11.9923.C16
Gene No.	62751	Strand	+

Start	1041	End	6076
Name	OJ990419_11.9923.C16.o1.np	Method	AAT/NAP
Start	1041	End	6076
GI	3420982	Score	428
Exons	1041..1236, 1370..1487, 1610..1660, 1764..1855, 1987..2077, 2392..2511, 2604..2681, 2926..2972, 3055..3110, 4387..4427, 4782..4872, 5921..6076		
GI Descrip.	(Z97628) Similarity to Brugia peptidylprolyl isomerase (TR:G984562) [Caenorhabditis elegans] gi|3876969|emb|CAB03088.1| (Z81080) Similarity to Brugia peptidylprolyl isomerase (TR:G984562) [Caenorhabditis elegans]		

Seq. No.	30341	Seq. ID	OJ990419_11.9923.C16
Gene No.	62751	Strand	+
Start	1041	End	6076
Name	OJ990419_11.9923.C16.o1.gs	Method	GENSCAN
Start	1133	End	4139
GI	none	Score	.78
Exons	1133..1236, 1370..1487, 1610..1660, 1764..1855, 1987..2086, 2392..2511, 2604..2681, 2926..2972, 3055..3110, 4009..4139		

Seq. No.	30341	Seq. ID	OJ990419_11.9923.C16
Gene No.	62752	Strand	-
Start	5465	End	6130
Name	OJ990419_11.9923.C16.o2.gs	Method	GENSCAN
Start	5465	End	6130
GI	none	Score	.94
Exons	5465..5660, 6117..6130		

Seq. No.	30342	Seq. ID	OJ990419_11.9923.C17
Gene No.	62753	Strand	+
Start	53	End	302
Name	OJ990419_11.9923.C17.o1.gs	Method	GENSCAN
Start	53	End	302
GI	none	Score	.65
Exons	53..132, 225..302		

Seq. No.	30343	Seq. ID	OJ990419_11.9923.C18
Gene No.	62754	Strand	+
Start	1	End	511
Name	OJ990419_11.9923.C18.o1.np	Method	AAT/NAP
Start	1	End	511
GI	4680180	Score	386
Exons	1..511		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	30343	Seq. ID	OJ990419_11.9923.C18
Gene No.	62754	Strand	+
Start	1	End	511
Name	OJ990419_11.9923.C18.o1.tw	Method	TBLASTX:Wheat
Start	1	End	502
GI	none	Score	58
Exons	1..93, 5..205, 185..346, 371..502, 376..501		

Seq. No.	30343	Seq. ID	OJ990419_11.9923.C18
Gene No.	62754	Strand	+
Start	1	End	511

Name	OJ990419_11.9923.C18.o1.gs	Method	GENSCAN
Start	35	End	349
GI	none	Score	.95
Exons	35..349		

Seq. No.	30343	Seq. ID	OJ990419_11.9923.C18
Gene No.	62754	Strand	+
Start	1	End	511
Name	OJ990419_11.9923.C18.o1.tm	Method	TBLASTX:Maize
Start	200	End	466
GI	none	Score	132
Exons	200..382, 383..466		

Seq. No.	30344	Seq. ID	OJ990419_11.9923.C21
Gene No.	62755	Strand	+
Start	1	End	312
Name	OJ990419_11.9923.C21.o1.np	Method	AAT/NAP
Start	1	End	312
GI	6513925	Score	65
Exons	1..139, 269..312		
GI Descrip.	(AC011664) unknown protein [Arabidopsis thaliana]		

Seq. No.	30344	Seq. ID	OJ990419_11.9923.C21
Gene No.	62756	Strand	-
Start	326	End	410
Name	OJ990419_11.9923.C21.o1.gs	Method	GENSCAN
Start	326	End	410
GI	none	Score	.84
Exons	326..410		

Seq. No.	30345	Seq. ID	OJ990419_11.9923.C25
Gene No.	62757	Strand	-
Start	1084	End	1362
Name	OJ990419_11.9923.C25.o1.gs	Method	GENSCAN
Start	1084	End	1362
GI	none	Score	.8
Exons	1084..1362		

Seq. No.	30346	Seq. ID	OJ990419_11.9923.C27
Gene No.	62758	Strand	+
Start	2053	End	9412
Name	OJ990419_11.9923.C27.o1.gs	Method	GENSCAN
Start	2053	End	7415
GI	none	Score	.63
Exons	2053..2094, 4889..5051, 5801..5901, 5917..6148, 6255..6466, 6811..6861, 7305..7415		

Seq. No.	30346	Seq. ID	OJ990419_11.9923.C27
Gene No.	62758	Strand	+
Start	2053	End	9412
Name	OJ990419_11.9923.C27.o1.np	Method	AAT/NAP
Start	5848	End	9412
GI	2654088	Score	867
Exons	5848..6148, 6255..6503, 6811..6861, 7020..7280, 7363..7415, 7545..7659, 9354..9412		
GI Descrip.	(AF033118) potassium transporter [Arabidopsis thaliana] gi|2688979 (AF029876) high-affinity potassium transporter;		

AtKUP1p [Arabidopsis thaliana] gi|3150413|gb|AAC16965.1| (AC004165) high affinity K+ transporter (AtKUP1/AtKT1p) [Arabidopsis thaliana]

Seq. No.	30346	Seq. ID	OJ990419_11.9923.C27
Gene No.	62758	Strand	+
Start	2053	End	9412
Name	OJ990419_11.9923.C27.o2.tm	Method	TBLASTX:Maize
Start	5931	End	6150
GI	none	Score	66
Exons	5931..6020, 5931..6014, 5932..6150, 5941..6150		

Seq. No.	30346	Seq. ID	OJ990419_11.9923.C27
Gene No.	62758	Strand	+
Start	2053	End	9412
Name	OJ990419_11.9923.C27.o1.tc	Method	TBLASTX:Cress
Start	5935	End	7702
GI	none	Score	279
Exons	5935..6150, 5952..6149, 6166..6297, 6254..6451, 6371..6502, 6371..6496, 6807..6875, 6968..7282, 7021..7281, 7359..7418, 7518..7646, 7521..7658, 7562..7702		

Seq. No.	30346	Seq. ID	OJ990419_11.9923.C27
Gene No.	62758	Strand	+
Start	2053	End	9412
Name	OJ990419_11.9923.C27.o1.ts	Method	TBLASTX:Soybean
Start	5935	End	6502
GI	none	Score	266
Exons	5935..6144, 5940..6146, 5947..6147, 6254..6349, 6254..6340, 6353..6502, 6395..6499		

Seq. No.	30346	Seq. ID	OJ990419_11.9923.C27
Gene No.	62758	Strand	+
Start	2053	End	9412
Name	OJ990419_11.9923.C27.o1.tw	Method	TBLASTX:Wheat
Start	6245	End	6502
GI	none	Score	103
Exons	6245..6355, 6254..6349, 6395..6502, 6454..6501		

Seq. No.	30346	Seq. ID	OJ990419_11.9923.C27
Gene No.	62758	Strand	+
Start	2053	End	9412
Name	OJ990419_11.9923.C27.o2.ts	Method	TBLASTX:Soybean
Start	7027	End	7634
GI	none	Score	329
Exons	7027..7284, 7037..7285, 7359..7433, 7361..7432, 7521..7634		

Seq. No.	30346	Seq. ID	OJ990419_11.9923.C27
Gene No.	62758	Strand	+
Start	2053	End	9412
Name	OJ990419_11.9923.C27.o1.tm	Method	TBLASTX:Maize
Start	7067	End	7658
GI	none	Score	274
Exons	7067..7279, 7073..7285, 7078..7281, 7359..7436, 7542..7658		

Seq. No.	30347	Seq. ID	OJ990419_11.9923.C28
Gene No.	62759	Strand	+

Start	1	End	706
Name	OJ990419_11.9923.C28.o1.np	Method	AAT/NAP
Start	1	End	706
GI	2654088	Score	144
Exons	1..189, 497..706		
GI Descrip.	(AF033118) potassium transporter [Arabidopsis thaliana] gi|2688979 (AF029876) high-affinity potassium transporter; AtKUP1p [Arabidopsis thaliana] gi|3150413|gb|AAC16965.1| (AC004165) high affinity K+ transporter (AtKUP1/AtKT1p) [Arabidopsis thaliana]		

Seq. No.	30347	Seq. ID	OJ990419_11.9923.C28
Gene No.	62759	Strand	+
Start	1	End	706
Name	OJ990419_11.9923.C28.o1.gs	Method	GENSCAN
Start	72	End	547
GI	none	Score	.73
Exons	72..189, 497..547		

Seq. No.	30348	Seq. ID	OJ990419_11.9923.C29
Gene No.	62760	Strand	+
Start	53	End	121
Name	OJ990419_11.9923.C29.o1.gs	Method	GENSCAN
Start	53	End	121
GI	none	Score	.51
Exons	53..121		

Seq. No.	30349	Seq. ID	OJ990419_11.9923.C30
Gene No.	62761	Strand	-
Start	100	End	753
Name	OJ990419_11.9923.C30.o1.tm	Method	TBLASTX:Maize
Start	68	End	493
GI	none	Score	162
Exons	68..190, 68..190, 69..191, 70..195, 296..490, 297..491, 299..493		

Seq. No.	30349	Seq. ID	OJ990419_11.9923.C30
Gene No.	62761	Strand	-
Start	100	End	753
Name	OJ990419_11.9923.C30.o1.tw	Method	TBLASTX:Wheat
Start	68	End	712
GI	none	Score	184
Exons	68..190, 69..191, 297..500, 299..499, 316..501, 668..712, 668..712		

Seq. No.	30349	Seq. ID	OJ990419_11.9923.C30
Gene No.	62761	Strand	-
Start	100	End	753
Name	OJ990419_11.9923.C30.o1.ts	Method	TBLASTX:Soybean
Start	81	End	439
GI	none	Score	124
Exons	81..191, 83..190, 297..434, 299..439		

Seq. No.	30349	Seq. ID	OJ990419_11.9923.C30
Gene No.	62761	Strand	-
Start	100	End	753
Name	OJ990419_11.9923.C30.o1.gs	Method	GENSCAN
Start	100	End	753

GI	none	Score	.92
Exons	100..188, 300..498, 669..753		

Seq. No.	30349	Seq. ID	OJ990419_11.9923.C30
Gene No.	62762	Strand	
Start	1002	End	1181
Name	OJ990419_11.9923.C30.o2.tm	Method	TBLASTX:Maize
Start	1002	End	1181
GI	none	Score	153
Exons	1002..1172, 1002..1181, 1033..1176		

Seq. No.	30350	Seq. ID	OJ990419_11.9923.C31
Gene No.	62763	Strand	-
Start	27	End	622
Name	OJ990419_11.9923.C31.o1.gs	Method	GENSCAN
Start	27	End	622
GI	none	Score	.76
Exons	27..198, 598..622		

Seq. No.	30351	Seq. ID	OJ990419_11.9923.C33
Gene No.	62764	Strand	+
Start	527	End	751
Name	OJ990419_11.9923.C33.o1.gs	Method	GENSCAN
Start	527	End	751
GI	none	Score	.4
Exons	527..751		

Seq. No.	30352	Seq. ID	OJ990419_11.9923.C34
Gene No.	62765	Strand	+
Start	1	End	608
Name	OJ990419_11.9923.C34.o1.np	Method	AAT/NAP
Start	1	End	608
GI	4972682	Score	58
Exons	1..183, 508..608		
GI Descrip.	(AF132148) unknown [Drosophila melanogaster]		

Seq. No.	30352	Seq. ID	OJ990419_11.9923.C34
Gene No.	62765	Strand	+
Start	1	End	608
Name	OJ990419_11.9923.C34.o1.tw	Method	TBLASTX:Wheat
Start	109	End	228
GI	none	Score	184
Exons	109..222, 116..223, 117..227, 118..228		

Seq. No.	30353	Seq. ID	OJ990419_11.9923.C36
Gene No.	62766	Strand	-
Start	1	End	490
Name	OJ990419_11.9923.C36.o1.np	Method	AAT/NAP
Start	1	End	490
GI	6466937	Score	409
Exons	1..490		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	30353	Seq. ID	OJ990419_11.9923.C36
Gene No.	62766	Strand	-
Start	1	End	490

Name	OJ990419_11.9923.C36.o1.tm	Method	TBLASTX:Maize
Start	120	End	489
GI	none	Score	206
Exons	120..488, 121..489		

Seq. No.	30353	Seq. ID	OJ990419_11.9923.C36
Gene No.	62766	Strand	-
Start	1	End	490
Name	OJ990419_11.9923.C36.o1.tw	Method	TBLASTX:Wheat
Start	120	End	485
GI	none	Score	62
Exons	120..485, 322..408, 345..410		

Seq. No.	30353	Seq. ID	OJ990419_11.9923.C36
Gene No.	62766	Strand	-
Start	1	End	490
Name	OJ990419_11.9923.C36.o1.ts	Method	TBLASTX:Soybean
Start	220	End	489
GI	none	Score	41
Exons	220..261, 222..272, 258..323, 265..324, 348..488, 348..485, 349..489		

Seq. No.	30354	Seq. ID	OJ990419_11.9923.C40
Gene No.	62767	Strand	+
Start	117	End	2455
Name	OJ990419_11.9923.C40.o1.gs	Method	GENSCAN
Start	117	End	2448
GI	none	Score	.51
Exons	117..293, 410..492, 625..662, 958..1037, 1197..1339, 1406..1627, 1878..2448		

Seq. No.	30354	Seq. ID	OJ990419_11.9923.C40
Gene No.	62767	Strand	+
Start	117	End	2455
Name	OJ990419_11.9923.C40.o1.np	Method	AAT/NAP
Start	1817	End	2455
GI	3860250	Score	532
Exons	1817..2455		
GI Descrip.	(AC005824) putative chorismate mutase/prephenate dehydratase [Arabidopsis thaliana]		

Seq. No.	30354	Seq. ID	OJ990419_11.9923.C40
Gene No.	62768	Strand	-
Start	5322	End	7646
Name	OJ990419_11.9923.C40.o1.tm	Method	TBLASTX:Maize
Start	1012	End	2455
GI	none	Score	95
Exons	1012..1116, 1842..1907, 1843..1905, 1909..2049, 1910..2050, 2083..2376, 2094..2372, 2212..2376, 2377..2439, 2378..2455, 2378..2440		

Seq. No.	30354	Seq. ID	OJ990419_11.9923.C40
Gene No.	62768	Strand	-
Start	5322	End	7646
Name	OJ990419_11.9923.C40.o1.ts	Method	TBLASTX:Soybean
Start	1836	End	2455
GI	none	Score	101

Exons	1836..1907, 1837..1905, 1909..2049, 1910..2050, 2083..2355, 2103..2354, 2377..2439, 2378..2455		
Seq. No.	30354	Seq. ID	OJ990419_11.9923.C40
Gene No.	62768	Strand	-
Start	5322	End	7646
Name	OJ990419_11.9923.C40.o2.tw	Method	TBLASTX:Wheat
Start	1842	End	2050
GI	none	Score	95
Exons	1842..1907, 1843..1905, 1909..2049, 1910..2050		
Seq. No.	30354	Seq. ID	OJ990419_11.9923.C40
Gene No.	62768	Strand	-
Start	5322	End	7646
Name	OJ990419_11.9923.C40.o1.tc	Method	TBLASTX:Cress
Start	1925	End	2455
GI	none	Score	176
Exons	1925..2050, 1951..2049, 2080..2346, 2181..2345, 2344..2376, 2378..2455, 2385..2438		
Seq. No.	30354	Seq. ID	OJ990419_11.9923.C40
Gene No.	62768	Strand	-
Start	5322	End	7646
Name	OJ990419_11.9923.C40.o1.tw	Method	TBLASTX:Wheat
Start	2083	End	2342
GI	none	Score	292
Exons	2083..2340, 2100..2342		
Seq. No.	30354	Seq. ID	OJ990419_11.9923.C40
Gene No.	62768	Strand	-
Start	5322	End	7646
Name	OJ990419_11.9923.C40.o2.gs	Method	GENSCAN
Start	5322	End	7646
GI	none	Score	.76
Exons	5322..5335, 5914..6059, 6989..7254, 7629..7646		
Seq. No.	30355	Seq. ID	OJ990419_11.9923.C41
Gene No.	62769	Strand	-
Start	960	End	3833
Name	OJ990419_11.9923.C41.o1.np	Method	AAT/NAP
Start	960	End	2904
GI	3668081	Score	94
Exons	960..1024, 1804..2125, 2449..2586, 2693..2746, 2864..2904		
GI Descrip.	(AC004667) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	30355	Seq. ID	OJ990419_11.9923.C41
Gene No.	62769	Strand	-
Start	960	End	3833
Name	OJ990419_11.9923.C41.o2.gs	Method	GENSCAN
Start	2440	End	3833
GI	none	Score	.61
Exons	2440..2613, 2693..2746, 2864..3046, 3636..3833		
Seq. No.	30356	Seq. ID	OJ990419_11.9923.C42
Gene No.	62770	Strand	-
Start	655	End	6454
Name	OJ990419_11.9923.C42.o1.gs	Method	GENSCAN

Start	655	End	6454
GI	none	Score	.88
Exons	655..1127, 1200..1332, 2548..2653, 2890..2930, 3571..3626, 3709..3755, 3919..3996, 4086..4205, 4567..4666, 4805..4896, 4994..5044, 5192..5309, 5389..5493, 6020..6250, 6278..6454		

Seq. No.	30356	Seq. ID	OJ990419_11.9923.C42
Gene No.	62770	Strand	-
Start	655	End	6454
Name	OJ990419_11.9923.C42.o1.tm	Method	TBLASTX:Maize
Start	853	End	2600
GI	none	Score	72
Exons	853..930, 853..957, 942..1094, 964..1128, 971..1129, 973..1128, 1200..1334, 1202..1333, 2549..2599, 2553..2600		

Seq. No.	30356	Seq. ID	OJ990419_11.9923.C42
Gene No.	62770	Strand	-
Start	655	End	6454
Name	OJ990419_11.9923.C42.o1.np	Method	AAT/NAP
Start	919	End	6117
GI	3420982	Score	571
Exons	919..1077, 2592..2653, 2890..2930, 3571..3626, 3709..3755, 3919..3996, 4086..4205, 4576..4666, 4805..4896, 4994..5044, 5192..5309, 5389..5493, 6020..6117		
GI Descrip.	(Z97628) Similarity to Brugia peptidylprolyl isomerase (TR:G984562) [Caenorhabditis elegans] gi|3876969|emb|CAB03088.1| (Z81080) Similarity to Brugia peptidylprolyl isomerase (TR:G984562) [Caenorhabditis elegans]		

Seq. No.	30356	Seq. ID	OJ990419_11.9923.C42
Gene No.	62770	Strand	-
Start	655	End	6454
Name	OJ990419_11.9923.C42.o1.gp	Method	AAT/GAP
Start	981	End	2940
GI	LIB3474-006-P1-K1-A5	Score	790
Exons	981..1127, 1200..1332, 2548..2653, 2890..2940		
GI Descrip.	'4972682/gb|AAD34736.1| 4.0e-11 (AF132148) unknown [Drosophila melanogaster]'		

Seq. No.	30356	Seq. ID	OJ990419_11.9923.C42
Gene No.	62770	Strand	-
Start	655	End	6454
Name	OJ990419_11.9923.C42.o1.tw	Method	TBLASTX:Wheat
Start	1214	End	4005
GI	none	Score	152
Exons	1214..1333, 1215..1334, 1224..1334, 1225..1335, 2545..2655, 2549..2656, 2550..2663, 2887..2949, 3564..3626, 3571..3627, 3572..3625, 3573..3626, 3708..3755, 3709..3765, 3709..3756, 3917..3997, 3919..4005, 3919..3996		

Seq. No.	30356	Seq. ID	OJ990419_11.9923.C42
Gene No.	62770	Strand	-
Start	655	End	6454
Name	OJ990419_11.9923.C42.o1.tc	Method	TBLASTX:Cress
Start	4997	End	6118
GI	none	Score	105
Exons	4997..5044, 5192..5311, 5196..5312, 5383..5496, 5388..5501,		

5400..5501, 5437..5502, 6019..6117, 6020..6118

Seq. No.	30357	Seq. ID	OJ990419_11.9923.C44
Gene No.	62771	Strand	+
Start	1	End	717
Name	OJ990419_11.9923.C44.o1.np	Method	AAT/NAP
Start	1	End	717
GI	6016874	Score	680
Exons	1..63, 147..284, 349..581, 628..717		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	30357	Seq. ID	OJ990419_11.9923.C44
Gene No.	62771	Strand	+
Start	1	End	717
Name	OJ990419_11.9923.C44.o1.gs	Method	GENSCAN
Start	147	End	437
GI	none	Score	.74
Exons	147..284, 349..437		

Seq. No.	30357	Seq. ID	OJ990419_11.9923.C44
Gene No.	62771	Strand	+
Start	1	End	717
Name	OJ990419_11.9923.C44.o1.tm	Method	TBLASTX:Maize
Start	333	End	662
GI	none	Score	69
Exons	333..419, 405..662, 428..613		

Seq. No.	30358	Seq. ID	OJ990419_11.9923.C45
Gene No.	62772	Strand	+
Start	482	End	1080
Name	OJ990419_11.9923.C45.o1.gp	Method	AAT/GAP
Start	482	End	1080
GI	uC-osflcyp110b03a1	Score	990
Exons	482..547, 631..1080		
GI Descrip.	'3878874/emb|CAA93672.1| 2.0e-12 (Z69793) R03A10.3 [Caenorhabditis elegans]'		

Seq. No.	30358	Seq. ID	OJ990419_11.9923.C45
Gene No.	62772	Strand	+
Start	482	End	1080
Name	OJ990419_11.9923.C45.o1.tm	Method	TBLASTX:Maize
Start	518	End	964
GI	none	Score	44
Exons	518..544, 519..548, 632..694, 769..840, 776..820, 829..876,	633..704, 692..778, 697..750, 829..882, 920..964, 930..962	

Seq. No.	30359	Seq. ID	OJ990419_11.9923.C46
Gene No.	62773	Strand	+
Start	247	End	540
Name	OJ990419_11.9923.C46.o1.gs	Method	GENSCAN
Start	247	End	540
GI	none	Score	.58
Exons	247..255, 407..540		

Seq. No.	30360	Seq. ID	OJ990419_11.9923.C48

Gene No.	62774	Strand	-
Start	97	End	747
Name	OJ990419_11.9923.C48.o1.gs	Method	GENSCAN
Start	97	End	747
GI	none	Score	.66
Exons	97..213, 417..519, 591..747		

Seq. No.	30360	Seq. ID	OJ990419_11.9923.C48
Gene No.	62775	Strand	-
Start	672	End	905
Name	OJ990419_11.9923.C48.o1.ts	Method	TBLASTX:Soybean
Start	620	End	905
GI	none	Score	101
Exons	620..772, 624..767, 840..905, 841..882		

Seq. No.	30360	Seq. ID	OJ990419_11.9923.C48
Gene No.	62775	Strand	-
Start	672	End	905
Name	OJ990419_11.9923.C48.o1.gp	Method	AAT/GAP
Start	672	End	880
GI	3766624	Score	187
Exons	672..747, 842..880		
GI Descrip.	3878874/emb|CAA93672.1| 2.0e-12 (Z69793) R03A10.3 [Caenorhabditis elegans]		

Seq. No.	30361	Seq. ID	OJ990419_11.9923.C50
Gene No.	62776	Strand	+
Start	32	End	158
Name	OJ990419_11.9923.C50.o1.gs	Method	GENSCAN
Start	32	End	158
GI	none	Score	.99
Exons	32..158		

Seq. No.	30362	Seq. ID	OJ990419_11.9923.C51
Gene No.	62777	Strand	+
Start	90	End	620
Name	OJ990419_11.9923.C51.o1.gs	Method	GENSCAN
Start	90	End	620
GI	none	Score	.81
Exons	90..140, 501..620		

Seq. No.	30363	Seq. ID	OJ990419_11.9923.C52
Gene No.	62778	Strand	+
Start	589	End	976
Name	OJ990419_11.9923.C52.o1.gs	Method	GENSCAN
Start	589	End	976
GI	none	Score	.49
Exons	589..645, 956..976		

Seq. No.	30364	Seq. ID	OJ990419_11.9923.C53
Gene No.	62779	Strand	+
Start	1	End	385
Name	OJ990419_11.9923.C53.o1.np	Method	AAT/NAP
Start	1	End	385
GI	3878874	Score	69
Exons	1..107, 310..385		
GI Descrip.	(Z69793) R03A10.3 [Caenorhabditis elegans]		

Seq. No.	30365	Seq. ID	OJ990419_11.9923.C54
Gene No.	62780	Strand	+
Start	1	End	644
Name	OJ990419_11.9923.C54.o1.np	Method	AAT/NAP
Start	1	End	644
GI	5902445	Score	576
Exons	1..644		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	30365	Seq. ID	OJ990419_11.9923.C54
Gene No.	62780	Strand	+
Start	1	End	644
Name	OJ990419_11.9923.C54.o1.tm	Method	TBLASTX:Maize
Start	74	End	457
GI	none	Score	329
Exons	74..457, 101..211, 241..456		

Seq. No.	30365	Seq. ID	OJ990419_11.9923.C54
Gene No.	62780	Strand	+
Start	1	End	644
Name	OJ990419_11.9923.C54.o1.gs	Method	GENSCAN
Start	83	End	601
GI	none	Score	.66
Exons	83..601		

Seq. No.	30365	Seq. ID	OJ990419_11.9923.C54
Gene No.	62780	Strand	+
Start	1	End	644
Name	OJ990419_11.9923.C54.o1.tw	Method	TBLASTX:Wheat
Start	131	End	555
GI	none	Score	459
Exons	131..544, 131..535, 241..555		

Seq. No.	30365	Seq. ID	OJ990419_11.9923.C54
Gene No.	62780	Strand	+
Start	1	End	644
Name	OJ990419_11.9923.C54.o1.ts	Method	TBLASTX:Soybean
Start	185	End	580
GI	none	Score	285
Exons	185..580, 244..369		

Seq. No.	30366	Seq. ID	OJ990419_11.9923.C55
Gene No.	62781	Strand	+
Start	49	End	156
Name	OJ990419_11.9923.C55.o1.gs	Method	GENSCAN
Start	49	End	156
GI	none	Score	.4
Exons	49..156		

Seq. No.	30367	Seq. ID	OJ990419_11.9923.C57
Gene No.	62782	Strand	-
Start	1	End	1381
Name	OJ990419_11.9923.C57.o1.np	Method	AAT/NAP
Start	1	End	1381
GI	129916	Score	636
Exons	1..336, 442..519, 1248..1381		

GI Descrip. PHOSPHOGLYCERATE KINASE, CYTOSOLIC gi|66911|pir||TVWTGY phosphoglycerate kinase (EC 2.7.2.3), cytosolic - wheat gi|21835|emb|CAA33302| (X15232) phosphoglycerate kinase (AA 1 - 401) [Triticum aestivum]

Seq. No.	30367	Seq. ID	OJ990419_11.9923.C57
Gene No.	62782	Strand	-
Start	1	End	1381
Name	OJ990419_11.9923.C57.o1.tm	Method	TBLASTX:Maize
Start	30	End	1374
GI	none	Score	274
Exons	30..332, 51..335, 70..336, 71..337, 439..576, 440..520, 444..521, 1242..1373, 1248..1373, 1249..1374		

Seq. No.	30367	Seq. ID	OJ990419_11.9923.C57
Gene No.	62782	Strand	-
Start	1	End	1381
Name	OJ990419_11.9923.C57.o1.tc	Method	TBLASTX:Cress
Start	49	End	1338
GI	none	Score	230
Exons	49..339, 70..336, 75..338, 439..576, 440..520, 1242..1337, 1255..1338		

Seq. No.	30367	Seq. ID	OJ990419_11.9923.C57
Gene No.	62782	Strand	-
Start	1	End	1381
Name	OJ990419_11.9923.C57.o1.ts	Method	TBLASTX:Soybean
Start	57	End	1374
GI	none	Score	219
Exons	57..320, 70..336, 71..340, 439..576, 440..520, 1242..1373, 1242..1373, 1249..1374		

Seq. No.	30367	Seq. ID	OJ990419_11.9923.C57
Gene No.	62782	Strand	-
Start	1	End	1381
Name	OJ990419_11.9923.C57.o1.gs	Method	GENSCAN
Start	76	End	1286
GI	none	Score	.88
Exons	76..336, 442..519, 1248..1286		

Seq. No.	30367	Seq. ID	OJ990419_11.9923.C57
Gene No.	62782	Strand	-
Start	1	End	1381
Name	OJ990419_11.9923.C57.o1.gp	Method	AAT/GAP
Start	213	End	1381
GI	611_1.R1084	Score	607
Exons	213..336, 442..519, 1248..1381		

GI Descrip. '129916/sp|P12783|PGKY_WHEAT 1.0e-38 PHOSPHOGLYCERATE KINASE, CYTOSOLIC >gi_66911_pir__TVWTGY phosphoglycerate kinase (EC 2.7.2.3), cytosolic - wheat >gi_21835_emb_CAA33302_ (X15232) phosphoglycerate kinase (AA 1 - 401) [Triticum aestivum]'

Seq. No.	30368	Seq. ID	OJ990419_11.9923.C58
Gene No.	62783	Strand	-
Start	153	End	326
Name	OJ990419_11.9923.C58.o1.gs	Method	GENSCAN
Start	153	End	326

GI	none	Score	.78
Exons	153..326		

Seq. No.	30369	Seq. ID	OJ990419_11.9923.C60
Gene No.	62784	Strand	-
Start	83	End	607
Name	OJ990419_11.9923.C60.o1.gs	Method	GENSCAN
Start	83	End	607
GI	none	Score	.74
Exons	83..450, 480..607		

Seq. No.	30370	Seq. ID	OJ990419_11.9923.C62
Gene No.	62785	Strand	-
Start	511	End	600
Name	OJ990419_11.9923.C62.o1.gs	Method	GENSCAN
Start	511	End	600
GI	none	Score	.5
Exons	511..600		

Seq. No.	30371	Seq. ID	OJ990429_10.9924.C1
Gene No.	62786	Strand	-
Start	153	End	436
Name	OJ990429_10.9924.C1.o1.gp	Method	AAT/GAP
Start	153	End	436
GI	286452	Score	499
Exons	153..436		

Seq. No.	30371	Seq. ID	OJ990429_10.9924.C1
Gene No.	62786	Strand	-
Start	153	End	436
Name	OJ990429_10.9924.C1.o1.tm	Method	TBLASTX:Maize
Start	158	End	418
GI	none	Score	151
Exons	158..226, 203..394, 209..418,	241..399	

Seq. No.	30372	Seq. ID	OJ990429_10.9924.C2
Gene No.	62787	Strand	+
Start	831	End	903
Name	OJ990429_10.9924.C2.o1.gs	Method	GENSCAN
Start	831	End	903
GI	none	Score	.72
Exons	831..903		

Seq. No.	30373	Seq. ID	OJ990429_10.9924.C3
Gene No.	62788	Strand	+
Start	355	End	573
Name	OJ990429_10.9924.C3.o1.gs	Method	GENSCAN
Start	355	End	573
GI	none	Score	.9
Exons	355..573		

Seq. No.	30374	Seq. ID	OJ990429_10.9924.C4
Gene No.	62789	Strand	-
Start	1	End	503
Name	OJ990429_10.9924.C4.o1.np	Method	AAT/NAP
Start	1	End	503
GI	3461814	Score	259

Exons	1..503		
GI Descrip.	(AC004138) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	30374	Seq. ID	OJ990429_10.9924.C4
Gene No.	62790	Strand	-
Start	449	End	775
Name	OJ990429_10.9924.C4.o1.gp	Method	AAT/GAP
Start	449	End	775
GI	286452	Score	591
Exons	449..775		
Seq. No.	30374	Seq. ID	OJ990429_10.9924.C4
Gene No.	62791	Strand	-
Start	881	End	1340
Name	OJ990429_10.9924.C4.o2.tm	Method	TBLASTX:Maize
Start	227	End	439
GI	none	Score	90
Exons	227..421, 228..407, 229..417,	229..426,	314..439
Seq. No.	30374	Seq. ID	OJ990429_10.9924.C4
Gene No.	62791	Strand	-
Start	881	End	1340
Name	OJ990429_10.9924.C4.o1.tc	Method	TBLASTX:Cress
Start	228	End	421
GI	none	Score	71
Exons	228..377, 229..399, 229..420,	314..421	
Seq. No.	30374	Seq. ID	OJ990429_10.9924.C4
Gene No.	62791	Strand	-
Start	881	End	1340
Name	OJ990429_10.9924.C4.o1.ts	Method	TBLASTX:Soybean
Start	229	End	435
GI	none	Score	61
Exons	229..435, 230..277, 314..430		
Seq. No.	30374	Seq. ID	OJ990429_10.9924.C4
Gene No.	62791	Strand	-
Start	881	End	1340
Name	OJ990429_10.9924.C4.o1.tm	Method	TBLASTX:Maize
Start	454	End	773
GI	none	Score	191
Exons	454..522, 499..750, 505..747,	509..751,	537..773
Seq. No.	30374	Seq. ID	OJ990429_10.9924.C4
Gene No.	62791	Strand	-
Start	881	End	1340
Name	OJ990429_10.9924.C4.o2.gp	Method	AAT/GAP
Start	881	End	1340
GI	2427803	Score	907
Exons	881..1340		
Seq. No.	30375	Seq. ID	OJ990429_10.9924.C5
Gene No.	62792	Strand	+
Start	404	End	3033
Name	OJ990429_10.9924.C5.o1.gs	Method	GENSCAN
Start	404	End	3033
GI	none	Score	.81

Exons	404..511, 800..998, 1969..2558, 3001..3033		
Seq. No.	30375	Seq. ID	OJ990429_10.9924.C5
Gene No.	62793	Strand	+
Start	13413	End	13816
Name	OJ990429_10.9924.C5.o1.gp	Method	AAT/GAP
Start	13413	End	13816
GI	50925_1.R1084	Score	784
Exons	13413..13816		
GI Descrip.	'3894191 5.0e-13 (AC005662) unknown protein [Arabidopsis thaliana]'		
Seq. No.	30375	Seq. ID	OJ990429_10.9924.C5
Gene No.	62794	Strand	-
Start	1997	End	17022
Name	OJ990429_10.9924.C5.o1.np	Method	AAT/NAP
Start	1997	End	16863
GI	6523547	Score	339
Exons	1997..2696, 10611..10854, 14049..14113, 14890..14933, 15081..15177, 16767..16863		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		
Seq. No.	30375	Seq. ID	OJ990429_10.9924.C5
Gene No.	62794	Strand	-
Start	1997	End	17022
Name	OJ990429_10.9924.C5.o4.gs	Method	GENSCAN
Start	13578	End	14688
GI	none	Score	.82
Exons	13578..14368, 14397..14688		
Seq. No.	30375	Seq. ID	OJ990429_10.9924.C5
Gene No.	62794	Strand	-
Start	1997	End	17022
Name	OJ990429_10.9924.C5.o1.ts	Method	TBLASTX:Soybean
Start	13579	End	14045
GI	none	Score	99
Exons	13579..13710, 13581..13718, 13776..13868, 13789..13863, 13881..13940, 13881..14045, 13981..14031		
Seq. No.	30375	Seq. ID	OJ990429_10.9924.C5
Gene No.	62794	Strand	-
Start	1997	End	17022
Name	OJ990429_10.9924.C5.o1.tc	Method	TBLASTX:Cress
Start	13590	End	14025
GI	none	Score	55
Exons	13590..13634, 13641..13718, 13657..13734, 13752..13865, 13753..13863, 13878..14024, 13879..14025		
Seq. No.	30375	Seq. ID	OJ990429_10.9924.C5
Gene No.	62794	Strand	-
Start	1997	End	17022
Name	OJ990429_10.9924.C5.o1.tm	Method	TBLASTX:Maize
Start	13977	End	14408
GI	none	Score	96
Exons	13977..14048, 13978..14046, 14112..14222, 14113..14223, 14118..14228, 14221..14307, 14241..14279, 14268..14306,		

14364..14399, 14364..14408

Seq. No.	30375	Seq. ID	OJ990429_10.9924.C5
Gene No.	62794	Strand	-
Start	1997	End	17022
Name	OJ990429_10.9924.C5.o2.gp	Method	AAT/GAP
Start	14476	End	14950
GI	none	Score	810
Exons	14476..14950		

Seq. No.	30375	Seq. ID	OJ990429_10.9924.C5
Gene No.	62794	Strand	-
Start	1997	End	17022
Name	OJ990429_10.9924.C5.o5.gs	Method	GENSCAN
Start	15612	End	17022
GI	none	Score	.75
Exons	15612..15861, 16437..16629, 16904..17022		

Seq. No.	30376	Seq. ID	OJ990429_10.9924.C7
Gene No.	62795	Strand	+
Start	112	End	16517
Name	OJ990429_10.9924.C7.o1.gs	Method	GENSCAN
Start	112	End	16517
GI	none	Score	.65
Exons	112..223, 547..559, 603..691, 833..945, 3949..4061, 4707..5249, 5251..5375, 5444..5538, 5613..5840, 6337..6424, 6818..6911, 7649..7803, 7900..7970, 8105..8284, 9781..9870, 9975..10050, 10545..10655, 10956..11119, 12239..12361, 13095..13190, 13413..13496, 13588..13772, 13862..14000, 14111..14170, 14239..14310, 14406..14506, 15109..15215, 15822..16024, 16314..16517		

Seq. No.	30376	Seq. ID	OJ990429_10.9924.C7
Gene No.	62795	Strand	+
Start	112	End	16517
Name	OJ990429_10.9924.C7.o1.gp	Method	AAT/GAP
Start	299	End	1023
GI	LIB3474-003-P1-K1-C2	Score	846
Exons	299..423, 603..733, 833..1023		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-116 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	30376	Seq. ID	OJ990429_10.9924.C7
Gene No.	62795	Strand	+
Start	112	End	16517
Name	OJ990429_10.9924.C7.o2.gp	Method	AAT/GAP
Start	3388	End	3453
GI	4715668	Score	102
Exons	3388..3453		

Seq. No.	30376	Seq. ID	OJ990429_10.9924.C7
Gene No.	62795	Strand	+
Start	112	End	16517
Name	OJ990429_10.9924.C7.o1.np	Method	AAT/NAP
Start	4966	End	6591
GI	5734783	Score	397
Exons	4966..5150, 5251..5375, 5444..5538, 5613..5850, 6362..6424,		

	6542..6591		
GI Descrip.	(AC007980) 96541 [Arabidopsis thaliana]		
Seq. No.	30376	Seq. ID	OJ990429_10.9924.C7
Gene No.	62795	Strand	+
Start	112	End	16517
Name	OJ990429_10.9924.C7.o2.np	Method	AAT/NAP
Start	5115	End	14516
GI	6692099	Score	644
Exons	5115..5136, 10956..11116, 12239..12361, 13413..13496, 13588..13772, 13862..14000, 14111..14364, 14406..14516		
GI Descrip.	(AC007764) F22C12.12 [Arabidopsis thaliana]		
Seq. No.	30376	Seq. ID	OJ990429_10.9924.C7
Gene No.	62795	Strand	+
Start	112	End	16517
Name	OJ990429_10.9924.C7.o3.gp	Method	AAT/GAP
Start	6368	End	8179
GI	none	Score	836
Exons	6368..6424, 6542..6593, 7252..7317, 7649..7803, 7900..7970, 8087..8179		
Seq. No.	30376	Seq. ID	OJ990429_10.9924.C7
Gene No.	62795	Strand	+
Start	112	End	16517
Name	OJ990429_10.9924.C7.o4.gp	Method	AAT/GAP
Start	10783	End	13749
GI	36571_1.R1084	Score	1044
Exons	10783..10824, 10943..11119, 12239..12361, 13413..13496, 13588..13749		
GI Descrip.	'3193292 8.0e-55 (AF069298) similar to ATPases associated with various cellular activites (Pfam: AAA.hmm, score: 230.91) [Arabidopsis thaliana]'		
Seq. No.	30376	Seq. ID	OJ990429_10.9924.C7
Gene No.	62795	Strand	+
Start	112	End	16517
Name	OJ990429_10.9924.C7.o5.gp	Method	AAT/GAP
Start	14100	End	14628
GI	none	Score	420
Exons	14100..14170, 14239..14311, 14405..14628		
Seq. No.	30376	Seq. ID	OJ990429_10.9924.C7
Gene No.	62795	Strand	+
Start	112	End	16517
Name	OJ990429_10.9924.C7.o6.gp	Method	AAT/GAP
Start	14118	End	14696
GI	none	Score	540
Exons	14118..14170, 14239..14311, 14405..14696		
Seq. No.	30376	Seq. ID	OJ990429_10.9924.C7
Gene No.	62796	Strand	+
Start	18389	End	18586
Name	OJ990429_10.9924.C7.o2.gs	Method	GENSCAN
Start	18389	End	18586
GI	none	Score	.73
Exons	18389..18586		

Seq. No.	30376	Seq. ID	OJ990429_10.9924.C7
Gene No.	62797	Strand	+
Start	21458	End	22172
Name	OJ990429_10.9924.C7.o3.tm	Method	TBLASTX:Maize
Start	5258	End	5540
GI	none	Score	154
Exons	5258..5383, 5269..5385, 5269..5382, 5277..5399, 5442..5537, 5442..5540, 5443..5538		

Seq. No.	30376	Seq. ID	OJ990429_10.9924.C7
Gene No.	62797	Strand	+
Start	21458	End	22172
Name	OJ990429_10.9924.C7.o2.tm	Method	TBLASTX:Maize
Start	5799	End	8245
GI	none	Score	68
Exons	5799..5846, 6334..6426, 6335..6424, 6540..6593, 6541..6594, 6542..6595, 7249..7317, 7249..7317, 7262..7318, 7623..7802, 7636..7806, 7646..7732, 7654..7803, 7864..7971, 7882..7971, 7899..7976, 7902..7973, 8073..8243, 8084..8245, 8086..8244, 8087..8245		

Seq. No.	30376	Seq. ID	OJ990429_10.9924.C7
Gene No.	62797	Strand	+
Start	21458	End	22172
Name	OJ990429_10.9924.C7.o2.ts	Method	TBLASTX:Soybean
Start	7902	End	8247
GI	none	Score	79
Exons	7902..7979, 7902..7982, 8087..8245, 8101..8247		

Seq. No.	30376	Seq. ID	OJ990429_10.9924.C7
Gene No.	62797	Strand	+
Start	21458	End	22172
Name	OJ990429_10.9924.C7.o4.tm	Method	TBLASTX:Maize
Start	9801	End	10839
GI	none	Score	79
Exons	9801..9872, 9802..9873, 9802..9873, 9972..10049, 9972..10049, 9986..10051, 10538..10675, 10565..10660, 10567..10710, 10746..10826, 10753..10833, 10753..10839		

Seq. No.	30376	Seq. ID	OJ990429_10.9924.C7
Gene No.	62797	Strand	+
Start	21458	End	22172
Name	OJ990429_10.9924.C7.o1.tm	Method	TBLASTX:Maize
Start	10946	End	14510
GI	none	Score	167
Exons	10946..11107, 10957..11106, 12236..12361, 12236..12355, 12238..12360, 13410..13499, 13410..13496, 13412..13498, 13566..13766, 13582..13773, 13585..13773, 13860..14000, 13869..14000, 13873..14001, 14105..14170, 14266..14313, 14271..14321, 14417..14494, 14427..14510		

Seq. No.	30376	Seq. ID	OJ990429_10.9924.C7
Gene No.	62797	Strand	+
Start	21458	End	22172
Name	OJ990429_10.9924.C7.o1.ts	Method	TBLASTX:Soybean
Start	10946	End	14489

GI	none	Score	168
Exons	10946..11107, 10957..11106, 12236..12331, 12237..12329, 12238..12336, 12238..12357, 13410..13499, 13412..13498, 13566..13766, 13567..13773, 13860..14000, 13868..13999, 14105..14194, 14257..14313, 14427..14489		

Seq. No.	30376	Seq. ID	OJ990429_10.9924.C7
Gene No.	62797	Strand	+
Start	21458	End	22172
Name	OJ990429_10.9924.C7.o1.tc	Method	TBLASTX:Cress
Start	13421	End	14510
GI	none	Score	74
Exons	13421..13498, 13422..13499, 13566..13766, 13567..13773, 13860..14000, 13868..13999, 14105..14170, 14391..14489, 14392..14493, 14427..14510		

Seq. No.	30376	Seq. ID	OJ990429_10.9924.C7
Gene No.	62797	Strand	+
Start	21458	End	22172
Name	OJ990429_10.9924.C7.o1.tw	Method	TBLASTX:Wheat
Start	13623	End	14170
GI	none	Score	210
Exons	13623..13769, 13624..13773, 13860..14000, 13860..14000, 14105..14170		

Seq. No.	30376	Seq. ID	OJ990429_10.9924.C7
Gene No.	62797	Strand	+
Start	21458	End	22172
Name	OJ990429_10.9924.C7.o3.gs	Method	GENSCAN
Start	21458	End	22172
GI	none	Score	.68
Exons	21458..21484, 21694..21841, 22024..22172		

Seq. No.	30377	Seq. ID	OJ990429_10.9924.C8
Gene No.	62798	Strand	+
Start	154	End	1562
Name	OJ990429_10.9924.C8.o1.gs	Method	GENSCAN
Start	154	End	1359
GI	none	Score	.79
Exons	154..243, 285..377, 744..917, 1047..1129, 1230..1359		

Seq. No.	30377	Seq. ID	OJ990429_10.9924.C8
Gene No.	62798	Strand	+
Start	154	End	1562
Name	OJ990429_10.9924.C8.o1.np	Method	AAT/NAP
Start	237	End	1562
GI	114200	Score	336
Exons	237..566, 671..743, 830..917, 1047..1129, 1230..1362, 1539..1562		
GI Descrip.	SHIKIMATE KINASE PRECURSOR gi|100253|pir||S21584 shikimate kinase precursor - tomato gi|19349|emb|CAA45121| (X63560) shikimate kinase precursor [Lycopersicon esculentum]		

Seq. No.	30377	Seq. ID	OJ990429_10.9924.C8
Gene No.	62798	Strand	+
Start	154	End	1562
Name	OJ990429_10.9924.C8.o1.tm	Method	TBLASTX:Maize
Start	367	End	1360

GI	none	Score	80
Exons	367..423, 368..424, 509..568, 672..743, 828..917, 1022..1129, 1045..1131, 1221..1358, 1229..1360, 1231..1359	511..567, 669..773, 670..741, 828..917, 829..918, 829..951, 1014..1130,	

Seq. No.	30377	Seq. ID	OJ990429_10.9924.C8
Gene No.	62798	Strand	+
Start	154	End	1562
Name	OJ990429_10.9924.C8.o1.gp	Method	AAT/GAP
Start	371	End	908
GI	5004551	Score	422
Exons	371..424, 512..566, 671..743, 830..908		

Seq. No.	30377	Seq. ID	OJ990429_10.9924.C8
Gene No.	62798	Strand	+
Start	154	End	1562
Name	OJ990429_10.9924.C8.o1.ts	Method	TBLASTX:Soybean
Start	515	End	1356
GI	none	Score	63
Exons	515..565, 658..702, 828..917, 1044..1130, 1094..1132, 1221..1355, 1228..1356, 1231..1356		

Seq. No.	30378	Seq. ID	OJ990429_10.9924.C9
Gene No.	62799	Strand	-
Start	195	End	962
Name	OJ990429_10.9924.C9.o1.gs	Method	GENSCAN
Start	195	End	962
GI	none	Score	.71
Exons	195..329, 554..853, 897..962		

Seq. No.	30379	Seq. ID	OJ990429_10.9924.C10
Gene No.	62800	Strand	+
Start	291	End	936
Name	OJ990429_10.9924.C10.o1.gs	Method	GENSCAN
Start	291	End	936
GI	none	Score	.69
Exons	291..411, 690..761, 826..936		

Seq. No.	30379	Seq. ID	OJ990429_10.9924.C10
Gene No.	62801	Strand	-
Start	1802	End	3317
Name	OJ990429_10.9924.C10.o1.gp	Method	AAT/GAP
Start	1802	End	3317
GI	30772_1.R1084	Score	1198
Exons	1802..2107, 2481..2588, 2684..2804, 3188..3317		
GI Descrip.	'4680189/gb|AF111710.1|AF111710 8.0e-10 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds'.		

Seq. No.	30379	Seq. ID	OJ990429_10.9924.C10
Gene No.	62801	Strand	-
Start	1802	End	3317
Name	OJ990429_10.9924.C10.o1.tc	Method	TBLASTX:Cress
Start	2048	End	2797
GI	none	Score	122
Exons	2048..2107, 2476..2589, 2480..2596, 2481..2588, 2681..2797,		

2682..2786, 2684..2794

Seq. No.	30379	Seq. ID	OJ990429_10.9924.C10
Gene No.	62801	Strand	-
Start	1802	End	3317
Name	OJ990429_10.9924.C10.o1.tm	Method	TBLASTX:Maize
Start	2479	End	2803
GI	none	Score	167
Exons	2479..2589, 2479..2595, 2480..2590, 2633..2704, 2681..2788, 2682..2789, 2684..2803, 2686..2790		

Seq. No.	30380	Seq. ID	OJ990429_10.9924.C11
Gene No.	62802	Strand	-
Start	210	End	731
Name	OJ990429_10.9924.C11.o1.gs	Method	GENSCAN
Start	210	End	731
GI	none	Score	.56
Exons	210..731		

Seq. No.	30380	Seq. ID	OJ990429_10.9924.C11
Gene No.	62803	Strand	-
Start	952	End	12583
Name	OJ990429_10.9924.C11.o2.gs	Method	GENSCAN
Start	952	End	12583
GI	none	Score	.83
Exons	952..1141, 1562..1689, 1866..1928, 2029..2145, 2346..2435, 2690..2777, 3255..3324, 3738..3816, 5024..5068, 5721..5807, 5895..5978, 6098..6277, 6356..6496, 6667..6775, 7205..7260, 7671..7718, 7815..7953, 8504..8611, 8935..8961, 9122..9214, 9634..9713, 9848..9937, 10083..10173, 10300..10388, 10553..10591, 12408..12583		

Seq. No.	30380	Seq. ID	OJ990429_10.9924.C11
Gene No.	62803	Strand	-
Start	952	End	12583
Name	OJ990429_10.9924.C11.o1.gp	Method	AAT/GAP
Start	1299	End	2098
GI	31132_1.R1084	Score	940
Exons	1299..1689, 1866..1928, 2029..2098		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-29 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	30380	Seq. ID	OJ990429_10.9924.C11
Gene No.	62803	Strand	-
Start	952	End	12583
Name	OJ990429_10.9924.C11.o1.tc	Method	TBLASTX:Cress
Start	1448	End	2408
GI	none	Score	123
Exons	1448..1483, 1582..1689, 1583..1690, 1854..1925, 1863..1925, 2029..2145, 2030..2143, 2346..2408		

Seq. No.	30380	Seq. ID	OJ990429_10.9924.C11
Gene No.	62803	Strand	-
Start	952	End	12583
Name	OJ990429_10.9924.C11.o2.tm	Method	TBLASTX:Maize
Start	1464	End	3326
GI	none	Score	217

Exons	1464..1508, 1546..1689, 1556..1690, 1559..1690, 1863..1928, 1864..1929, 1866..1928, 2029..2145, 2029..2145, 2030..2146, 2030..2146, 2322..2438, 2342..2458, 2346..2459, 2356..2460, 2689..2775, 2690..2776, 2690..2776, 2694..2777, 2697..2780, 3248..3325, 3252..3326, 3257..3325, 3273..3326		

Seq. No.	30380	Seq. ID	OJ990429_10.9924.C11
Gene No.	62803	Strand	-
Start	952	End	12583
Name	OJ990429_10.9924.C11.o2.ts	Method	TBLASTX:Soybean
Start	1582	End	2133
GI	none	Score	108
Exons	1582..1689, 1583..1681, 1591..1692, 1854..1928, 1863..1928, 1864..1929, 2029..2133, 2029..2133		

Seq. No.	30380	Seq. ID	OJ990429_10.9924.C11
Gene No.	62803	Strand	-
Start	952	End	12583
Name	OJ990429_10.9924.C11.o1.ts	Method	TBLASTX:Soybean
Start	6080	End	8619
GI	none	Score	219
Exons	6080..6277, 6096..6278, 6096..6278, 6344..6499, 6356..6496, 6357..6515, 6358..6498, 6367..6522, 6664..6777, 6665..6778, 7201..7284, 7668..7706, 7803..7931, 7807..7905, 8514..8612, 8515..8619		

Seq. No.	30380	Seq. ID	OJ990429_10.9924.C11
Gene No.	62803	Strand	-
Start	952	End	12583
Name	OJ990429_10.9924.C11.o1.tm	Method	TBLASTX:Maize
Start	6110	End	7264
GI	none	Score	249
Exons	6110..6277, 6111..6278, 6114..6278, 6356..6496, 6357..6500, 6360..6497, 6361..6501, 6664..6777, 6665..6778, 6675..6785, 7177..7260, 7201..7260, 7202..7264		

Seq. No.	30380	Seq. ID	OJ990429_10.9924.C11
Gene No.	62803	Strand	-
Start	952	End	12583
Name	OJ990429_10.9924.C11.o1.tw	Method	TBLASTX:Wheat
Start	7200	End	8613
GI	none	Score	85
Exons	7200..7259, 7201..7281, 7207..7260, 7668..7727, 7671..7721, 7809..7943, 7810..7920, 7817..7921, 7920..7949, 8497..8613, 8505..8612		

Seq. No.	30381	Seq. ID	OJ990429_10.9924.C12
Gene No.	62804	Strand	+
Start	1848	End	2066
Name	OJ990429_10.9924.C12.o1.gs	Method	GENSCAN
Start	1848	End	2066
GI	none	Score	.96
Exons	1848..2066		

Seq. No.	30381	Seq. ID	OJ990429_10.9924.C12
Gene No.	62805	Strand	+
Start	8150	End	9551

Name	OJ990429_10.9924.C12.o3.gs	Method	GENSCAN
Start	8150	End	9551
GI	none	Score	.45
Exons	8150..8206, 8979..9551		

Seq. No.	30381	Seq. ID	OJ990429_10.9924.C12
Gene No.	62806	Strand	-
Start	2902	End	5064
Name	OJ990429_10.9924.C12.o2.gs	Method	GENSCAN
Start	2902	End	5049
GI	none	Score	.99
Exons	2902..3032, 3126..4229, 4339..4583, 4680..4831, 4942..5049		

Seq. No.	30381	Seq. ID	OJ990429_10.9924.C12
Gene No.	62806	Strand	-
Start	2902	End	5064
Name	OJ990429_10.9924.C12.o1.np	Method	AAT/NAP
Start	2905	End	5064
GI	1621467	Score	1133
Exons	2905..3032, 3126..4229, 4339..4583, 4680..4831, 4942..5064		
GI Descrip.	(U73106) laccase [Liriodendron tulipifera]		

Seq. No.	30381	Seq. ID	OJ990429_10.9924.C12
Gene No.	62806	Strand	-
Start	2902	End	5064
Name	OJ990429_10.9924.C12.o2.tm	Method	TBLASTX:Maize
Start	2917	End	3534
GI	none	Score	62
Exons	2917..3027, 2932..3054, 2945..3034, 3122..3304, 3124..3312, 3307..3369, 3323..3370, 3421..3534		

Seq. No.	30381	Seq. ID	OJ990429_10.9924.C12
Gene No.	62806	Strand	-
Start	2902	End	5064
Name	OJ990429_10.9924.C12.o2.tc	Method	TBLASTX:Cress
Start	2932	End	3270
GI	none	Score	101
Exons	2932..3054, 3122..3265, 3124..3270		

Seq. No.	30381	Seq. ID	OJ990429_10.9924.C12
Gene No.	62806	Strand	-
Start	2902	End	5064
Name	OJ990429_10.9924.C12.o2.ts	Method	TBLASTX:Soybean
Start	2932	End	3693
GI	none	Score	83
Exons	2932..3057, 2948..3034, 3122..3304, 3124..3312, 3427..3477, 3469..3549, 3592..3693		

Seq. No.	30381	Seq. ID	OJ990429_10.9924.C12
Gene No.	62806	Strand	-
Start	2902	End	5064
Name	OJ990429_10.9924.C12.o3.ts	Method	TBLASTX:Soybean
Start	3886	End	4132
GI	none	Score	133
Exons	3886..4131, 3887..4132		

Seq. No.	30381	Seq. ID	OJ990429_10.9924.C12

Gene No.	62806	Strand	-
Start	2902	End	5064
Name	OJ990429_10.9924.C12.o3.tw	Method	TBLASTX:Wheat
Start	3907	End	4113
GI	none	Score	143
Exons	3907..4113, 3907..4104		

Seq. No.	30381	Seq. ID	OJ990429_10.9924.C12
Gene No.	62806	Strand	-
Start	2902	End	5064
Name	OJ990429_10.9924.C12.o4.tm	Method	TBLASTX:Maize
Start	3920	End	4230
GI	none	Score	118
Exons	3920..4153, 3920..3991, 3922..4230		

Seq. No.	30381	Seq. ID	OJ990429_10.9924.C12
Gene No.	62806	Strand	-
Start	2902	End	5064
Name	OJ990429_10.9924.C12.o1.ts	Method	TBLASTX:Soybean
Start	4138	End	4831
GI	none	Score	174
Exons	4138..4230, 4337..4582, 4338..4583, 4679..4831, 4680..4811		

Seq. No.	30381	Seq. ID	OJ990429_10.9924.C12
Gene No.	62806	Strand	-
Start	2902	End	5064
Name	OJ990429_10.9924.C12.o1.tw	Method	TBLASTX:Wheat
Start	4337	End	4582
GI	none	Score	180
Exons	4337..4582, 4338..4559		

Seq. No.	30381	Seq. ID	OJ990429_10.9924.C12
Gene No.	62806	Strand	-
Start	2902	End	5064
Name	OJ990429_10.9924.C12.o1.tc	Method	TBLASTX:Cress
Start	4338	End	4831
GI	none	Score	198
Exons	4338..4583, 4367..4582, 4445..4585, 4679..4831, 4680..4814		

Seq. No.	30381	Seq. ID	OJ990429_10.9924.C12
Gene No.	62806	Strand	-
Start	2902	End	5064
Name	OJ990429_10.9924.C12.o1.tm	Method	TBLASTX:Maize
Start	4340	End	4756
GI	none	Score	254
Exons	4340..4582, 4341..4583, 4445..4585, 4679..4756		

Seq. No.	30381	Seq. ID	OJ990429_10.9924.C12
Gene No.	62807	Strand	
Start	8722	End	9134
Name	OJ990429_10.9924.C12.o5.tm	Method	TBLASTX:Maize
Start	8722	End	9134
GI	none	Score	174
Exons	8722..8967, 8727..8969, 9009..9134		

Seq. No.	30381	Seq. ID	OJ990429_10.9924.C12
Gene No.	62808	Strand	

Start	9122	End	9608
Name	OJ990429_10.9924.C12.o2.tw	Method	TBLASTX:Wheat
Start	9122	End	9509
GI	none	Score	287
Exons	9122..9508, 9123..9509		

Seq. No.	30381	Seq. ID	OJ990429_10.9924.C12
Gene No.	62808	Strand	
Start	9122	End	9608
Name	OJ990429_10.9924.C12.o3.tm	Method	TBLASTX:Maize
Start	9141	End	9608
GI	none	Score	50
Exons	9141..9188, 9209..9592, 9210..9608, 9384..9608		

Seq. No.	30382	Seq. ID	OJ990429_10.9924.C13
Gene No.	62809	Strand	+
Start	1142	End	2351
Name	OJ990429_10.9924.C13.o1.tm	Method	TBLASTX:Maize
Start	7	End	2351
GI	none	Score	67
Exons	7..57, 1739..1786, 1746..1793, 1830..2336, 1830..2351, 1954..2346, 1982..2350		

Seq. No.	30382	Seq. ID	OJ990429_10.9924.C13
Gene No.	62809	Strand	+
Start	1142	End	2351
Name	OJ990429_10.9924.C13.o1.gs	Method	GENSCAN
Start	1142	End	2351
GI	none	Score	1
Exons	1142..2351		

Seq. No.	30382	Seq. ID	OJ990429_10.9924.C13
Gene No.	62809	Strand	+
Start	1142	End	2351
Name	OJ990429_10.9924.C13.o1.tw	Method	TBLASTX:Wheat
Start	1728	End	2116
GI	none	Score	280
Exons	1728..2111, 1729..1800, 1730..2110, 1849..2112, 1904..2116		

Seq. No.	30383	Seq. ID	OJ990429_10.9924.C14
Gene No.	62810	Strand	+
Start	1	End	331
Name	OJ990429_10.9924.C14.o1.np	Method	AAT/NAP
Start	1	End	328
GI	1168587	Score	427
Exons	1..328		
GI Descrip.	ATP SYNTHASE DELTA CHAIN, CHLOROPLAST PRECURSOR gi|1084467|pir||S43728 H+-transporting ATP synthase (EC 3.6.1.34) - sorghum gi|311231|emb|CAA46803| (X66004) H(+)-transporting ATP synthase [Sorghum bicolor]		

Seq. No.	30383	Seq. ID	OJ990429_10.9924.C14
Gene No.	62810	Strand	+
Start	1	End	331
Name	OJ990429_10.9924.C14.o1.gs	Method	GENSCAN
Start	29	End	331
GI	none	Score	1

Exons	29..331		
Seq. No.	30383	Seq. ID	OJ990429_10.9924.C14
Gene No.	62811	Strand	+
Start	805	End	3018
Name	OJ990429_10.9924.C14.o3.np	Method	AAT/NAP
Start	805	End	3018
GI	5042178	Score	177
Exons	805..868, 2501..2635, 2964..3018		
GI Descrip.	(AL078620) putative protein [Arabidopsis thaliana]		
Seq. No.	30383	Seq. ID	OJ990429_10.9924.C14
Gene No.	62811	Strand	+
Start	805	End	3018
Name	OJ990429_10.9924.C14.o2.gs	Method	GENSCAN
Start	2399	End	2914
GI	none	Score	.74
Exons	2399..2635, 2873..2914		
Seq. No.	30383	Seq. ID	OJ990429_10.9924.C14
Gene No.	62812	Strand	-
Start	1	End	2102
Name	OJ990429_10.9924.C14.o2.np	Method	AAT/NAP
Start	1	End	2102
GI	5902376	Score	119
Exons	1..118, 1960..2102		
GI Descrip.	(AC009322) Hypothetical protein [Arabidopsis thaliana]		
Seq. No.	30383	Seq. ID	OJ990429_10.9924.C14
Gene No.	62812	Strand	-
Start	1	End	2102
Name	OJ990429_10.9924.C14.o1.gp	Method	AAT/GAP
Start	1	End	493
GI	1599_1.R1084	Score	960
Exons	1..493		
GI Descrip.	'1168587/sp|Q07300|ATPD_SORBI 2.0e-69 ATP SYNTHASE DELTA CHAIN, CHLOROPLAST PRECURSOR >gi_1084467_pir__S43728 H+-transporting ATP synthase (EC 3.6.1.34) - sorghum >gi_311231_emb_CAA46803_ (X66004) H(+)-transporting ATP synthase [Sorghum bicolor]'		
Seq. No.	30383	Seq. ID	OJ990429_10.9924.C14
Gene No.	62812	Strand	-
Start	1	End	2102
Name	OJ990429_10.9924.C14.o1.tc	Method	TBLASTX:Cress
Start	17	End	322
GI	none	Score	305
Exons	17..322, 31..303		
Seq. No.	30383	Seq. ID	OJ990429_10.9924.C14
Gene No.	62812	Strand	-
Start	1	End	2102
Name	OJ990429_10.9924.C14.o1.ts	Method	TBLASTX:Soybean
Start	17	End	331
GI	none	Score	236
Exons	17..232, 25..264, 241..327, 242..331		
Seq. No.	30383	Seq. ID	OJ990429_10.9924.C14

Gene No.	62812	Strand	-
Start	1	End	2102
Name	OJ990429_10.9924.C14.o1.tm	Method	TBLASTX:Maize
Start	41	End	348
GI	none	Score	414
Exons	41..337, 46..348, 274..348		

Seq. No.	30384	Seq. ID	OJ990429_10.9924.C15
Gene No.	62813	Strand	+
Start	1	End	2613
Name	OJ990429_10.9924.C15.o1.np	Method	AAT/NAP
Start	1	End	2613
GI	5042178	Score	1230
Exons	1..67, 272..1405, 2595..2613		
GI Descrip.	(AL078620) putative protein [Arabidopsis thaliana]		

Seq. No.	30384	Seq. ID	OJ990429_10.9924.C15
Gene No.	62813	Strand	+
Start	1	End	2613
Name	OJ990429_10.9924.C15.o1.gs	Method	GENSCAN
Start	212	End	1448
GI	none	Score	.92
Exons	212..229, 279..1448		

Seq. No.	30384	Seq. ID	OJ990429_10.9924.C15
Gene No.	62814	Strand	+
Start	10375	End	14713
Name	OJ990429_10.9924.C15.o3.gs	Method	GENSCAN
Start	10375	End	14713
GI	none	Score	.81
Exons	10375..10441, 12460..12635, 14042..14713		

Seq. No.	30384	Seq. ID	OJ990429_10.9924.C15
Gene No.	62815	Strand	-
Start	1321	End	12644
Name	OJ990429_10.9924.C15.o4.np	Method	AAT/NAP
Start	1321	End	12644
GI	6630459	Score	66
Exons	1321..1343, 8337..8385, 8557..8714, 12455..12644		
GI Descrip.	(AC007190) F23N19.12 [Arabidopsis thaliana]		

Seq. No.	30384	Seq. ID	OJ990429_10.9924.C15
Gene No.	62815	Strand	-
Start	1321	End	12644
Name	OJ990429_10.9924.C15.o1.gp	Method	AAT/GAP
Start	1387	End	1752
GI	uC-osflcyp131f01a1	Score	625
Exons	1387..1752		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-29 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	30384	Seq. ID	OJ990429_10.9924.C15
Gene No.	62815	Strand	-
Start	1321	End	12644
Name	OJ990429_10.9924.C15.o2.gs	Method	GENSCAN
Start	2378	End	8458
GI	none	Score	.57

Exons	2378..2462, 3083..3725, 4384..4558, 5732..5767, 6633..6772, 8326..8458		
Seq. No.	30384	Seq. ID	OJ990429_10.9924.C15
Gene No.	62815	Strand	-
Start	1321	End	12644
Name	OJ990429_10.9924.C15.o2.np	Method	AAT/NAP
Start	3195	End	3933
GI	6323627	Score	328
Exons	3195..3278, 3492..3933		
GI Descrip.	Yml014wp gi|1730616|sp|P49957|YMB4_YEAST HYPOTHETICAL 32.4 KD PROTEIN IN TAF40-ERV25 INTERGENIC REGION gi|1084919|pir||S55105 hypothetical protein YML014w - yeast (Saccharomyces cerevisiae) gi|854476|emb|CAA89938| (Z49810) unknown [Saccharomyces cerevisiae]		

Seq. No.	30384	Seq. ID	OJ990429_10.9924.C15
Gene No.	62815	Strand	-
Start	1321	End	12644
Name	OJ990429_10.9924.C15.o2.gp	Method	AAT/GAP
Start	5286	End	8580
GI	3421_1.R1084	Score	1714
Exons	5286..5767, 6605..6772, 8326..8580		
GI Descrip.	'4097587 4.0e-37 (U64926) NTGP5 [Nicotiana tabacum]'		

Seq. No.	30384	Seq. ID	OJ990429_10.9924.C15
Gene No.	62815	Strand	-
Start	1321	End	12644
Name	OJ990429_10.9924.C15.o3.np	Method	AAT/NAP
Start	5715	End	8455
GI	4097587	Score	343
Exons	5715..5767, 6602..6772, 8326..8455		
GI Descrip.	(U64926) NTGP5 [Nicotiana tabacum]		

Seq. No.	30384	Seq. ID	OJ990429_10.9924.C15
Gene No.	62816	Strand	-
Start	16092	End	16353
Name	OJ990429_10.9924.C15.o4.gs	Method	GENSCAN
Start	16092	End	16353
GI	none	Score	.52
Exons	16092..16102, 16245..16353		

Seq. No.	30384	Seq. ID	OJ990429_10.9924.C15
Gene No.	62817	Strand	-
Start	18075	End	18379
Name	OJ990429_10.9924.C15.o1.ts	Method	TBLASTX:Soybean
Start	268	End	1412
GI	none	Score	224
Exons	268..402, 276..791, 278..739, 278..1309, 279..1412		

Seq. No.	30384	Seq. ID	OJ990429_10.9924.C15
Gene No.	62817	Strand	-
Start	18075	End	18379
Name	OJ990429_10.9924.C15.o1.tc	Method	TBLASTX:Cress
Start	276	End	617
GI	none	Score	448
Exons	276..584, 278..589, 279..617		

Seq. No.	30384	Seq. ID	OJ990429_10.9924.C15
Gene No.	62817	Strand	-
Start	18075	End	18379
Name	OJ990429_10.9924.C15.o1.tm	Method	TBLASTX:Maize
Start	287	End	1217
GI	none	Score	585
Exons	287..796, 287..790, 288..800, 765..920, 794..895, 795..896,	547..795, 796..897,	645..905, 741..998, 957..1217

Seq. No.	30384	Seq. ID	OJ990429_10.9924.C15
Gene No.	62817	Strand	-
Start	18075	End	18379
Name	OJ990429_10.9924.C15.o2.tc	Method	TBLASTX:Cress
Start	1154	End	1465
GI	none	Score	318
Exons	1154..1465, 1158..1445, 1162..1458		

Seq. No.	30384	Seq. ID	OJ990429_10.9924.C15
Gene No.	62817	Strand	-
Start	18075	End	18379
Name	OJ990429_10.9924.C15.o3.ts	Method	TBLASTX:Soybean
Start	2355	End	3252
GI	none	Score	74
Exons	2355..2465, 2384..2461, 3053..3244, 3085..3252, 3088..3246		

Seq. No.	30384	Seq. ID	OJ990429_10.9924.C15
Gene No.	62817	Strand	-
Start	18075	End	18379
Name	OJ990429_10.9924.C15.o2.tm	Method	TBLASTX:Maize
Start	3303	End	3574
GI	none	Score	158
Exons	3303..3488, 3320..3574, 3322..3573, 3332..3574		

Seq. No.	30384	Seq. ID	OJ990429_10.9924.C15
Gene No.	62817	Strand	-
Start	18075	End	18379
Name	OJ990429_10.9924.C15.o3.tc	Method	TBLASTX:Cress
Start	3334	End	3602
GI	none	Score	178
Exons	3334..3423, 3415..3600, 3416..3598, 3423..3602		

Seq. No.	30384	Seq. ID	OJ990429_10.9924.C15
Gene No.	62817	Strand	-
Start	18075	End	18379
Name	OJ990429_10.9924.C15.o2.ts	Method	TBLASTX:Soybean
Start	3364	End	3939
GI	none	Score	511
Exons	3364..3939, 3407..3931		

Seq. No.	30384	Seq. ID	OJ990429_10.9924.C15
Gene No.	62817	Strand	-
Start	18075	End	18379
Name	OJ990429_10.9924.C15.o3.tm	Method	TBLASTX:Maize
Start	5314	End	8638
GI	none	Score	41
Exons	5314..5355, 5320..5364, 5372..5407, 5375..5407, 5424..5480,		

5425..5487, 5596..5682, 5641..5670, 5690..5767, 5691..5768,
5694..5768, 5698..5769, 6603..6773, 6603..6806, 6604..6792,
8320..8340, 8323..8427, 8327..8446, 8328..8447, 8411..8461,
8491..8529, 8493..8540, 8532..8609, 8539..8610, 8547..8618,
8609..8638

Seq. No.	30384	Seq. ID	OJ990429_10.9924.C15
Gene No.	62817	Strand	-
Start	18075	End	18379
Name	OJ990429_10.9924.C15.o3.gp	Method	AAT/GAP
Start	18075	End	18379
GI	3761679	Score	284
Exons	18075..18189, 18280..18379		
GI Descrip.	5042437/gb|AC007789.1|AC007789 1.0e-29 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	30385	Seq. ID	OJ990429_10.9924.C18
Gene No.	62818	Strand	+
Start	1	End	223
Name	OJ990429_10.9924.C18.o1.np	Method	AAT/NAP
Start	1	End	199
GI	6562304	Score	94
Exons	1..199		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	30385	Seq. ID	OJ990429_10.9924.C18
Gene No.	62818	Strand	+
Start	1	End	223
Name	OJ990429_10.9924.C18.o1.gs	Method	GENSCAN
Start	2	End	223
GI	none	Score	.78
Exons	2..223		

Seq. No.	30385	Seq. ID	OJ990429_10.9924.C18
Gene No.	62818	Strand	+
Start	1	End	223
Name	OJ990429_10.9924.C18.o1.tm	Method	TBLASTX:Maize
Start	5	End	208
GI	none	Score	190
Exons	5..208, 52..207		

Seq. No.	30386	Seq. ID	OJ990429_10.9924.C19
Gene No.	62819	Strand	-
Start	1	End	464
Name	OJ990429_10.9924.C19.o1.gp	Method	AAT/GAP
Start	1	End	464
GI	30772_1.R1084	Score	151
Exons	1..49, 425..464		
GI Descrip.	'4680189/gb|AF111710.1|AF111710 8.0e-10 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds'		

Seq. No.	30387	Seq. ID	OJ990429_10.9924.C21
Gene No.	62820	Strand	+
Start	278	End	789
Name	OJ990429_10.9924.C21.o1.gs	Method	GENSCAN

Start	278	End	789
GI	none	Score	.84
Exons	278..387, 443..654, 734..789		

Seq. No.	30388	Seq. ID	OJ990429_10.9924.C22
Gene No.	62821	Strand	-
Start	380	End	584
Name	OJ990429_10.9924.C22.o1.gs	Method	GENSCAN
Start	380	End	584
GI	none	Score	.4
Exons	380..584		

Seq. No.	30389	Seq. ID	OJ990409_10.9922.C2
Gene No.	62822	Strand	+
Start	54	End	156
Name	OJ990409_10.9922.C2.o1.gs	Method	GENSCAN
Start	54	End	156
GI	none	Score	.45
Exons	54..156		

Seq. No.	30390	Seq. ID	OJ990409_10.9922.C3
Gene No.	62823	Strand	-
Start	260	End	454
Name	OJ990409_10.9922.C3.o1.gs	Method	GENSCAN
Start	260	End	454
GI	none	Score	.61
Exons	260..454		

Seq. No.	30391	Seq. ID	OJ990409_10.9922.C6
Gene No.	62824	Strand	-
Start	333	End	3676
Name	OJ990409_10.9922.C6.o1.gs	Method	GENSCAN
Start	333	End	3075
GI	none	Score	.78
Exons	333..951, 991..1109, 1442..1697, 1907..2058, 2293..2443, 2813..3075		

Seq. No.	30391	Seq. ID	OJ990409_10.9922.C6
Gene No.	62824	Strand	-
Start	333	End	3676
Name	OJ990409_10.9922.C6.o2.np	Method	AAT/NAP
Start	1034	End	3676
GI	3021270	Score	718
Exons	1034..1156, 1972..2175, 2293..2443, 2528..2765, 2868..3075, 3633..3676		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	30391	Seq. ID	OJ990409_10.9922.C6
Gene No.	62824	Strand	-
Start	333	End	3676
Name	OJ990409_10.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	2002	End	2410
GI	none	Score	146
Exons	2002..2175, 2009..2173, 2011..2175, 2290..2319, 2294..2410, 2299..2409		

Seq. No.	30391	Seq. ID	OJ990409_10.9922.C6
Gene No.	62824	Strand	-
Start	333	End	3676
Name	OJ990409_10.9922.C6.o1.tc	Method	TBLASTX:Cress
Start	2011	End	3073
GI	none	Score	59
Exons	2011..2169, 2036..2122, 2314..2457, 2336..2440, 2530..2766, 2531..2767, 2546..2767, 2869..3072, 2870..3073		

Seq. No.	30391	Seq. ID	OJ990409_10.9922.C6
Gene No.	62824	Strand	-
Start	333	End	3676
Name	OJ990409_10.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	2011	End	3072
GI	none	Score	136
Exons	2011..2172, 2296..2457, 2336..2455, 2530..2766, 2531..2770, 2842..3072, 2868..3053, 2873..3064		

Seq. No.	30391	Seq. ID	OJ990409_10.9922.C6
Gene No.	62824	Strand	-
Start	333	End	3676
Name	OJ990409_10.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	2299	End	2704
GI	none	Score	128
Exons	2299..2457, 2333..2467, 2527..2703, 2528..2704		

Seq. No.	30391	Seq. ID	OJ990409_10.9922.C6
Gene No.	62824	Strand	-
Start	333	End	3676
Name	OJ990409_10.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	2422	End	3073
GI	none	Score	162
Exons	2422..2457, 2529..2741, 2530..2766, 2531..2746, 2869..3072, 2870..3073		

Seq. No.	30391	Seq. ID	OJ990409_10.9922.C6
Gene No.	62824	Strand	-
Start	333	End	3676
Name	OJ990409_10.9922.C6.o2.tw	Method	TBLASTX:Wheat
Start	2704	End	3073
GI	none	Score	113
Exons	2704..2766, 2834..3073, 2869..3072		

Seq. No.	30392	Seq. ID	OJ990409_10.9922.C7
Gene No.	62825	Strand	+
Start	133	End	441
Name	OJ990409_10.9922.C7.o1.gs	Method	GENSCAN
Start	133	End	441
GI	none	Score	.81
Exons	133..249, 316..441		

Seq. No.	30392	Seq. ID	OJ990409_10.9922.C7
Gene No.	62826	Strand	-
Start	1295	End	2287
Name	OJ990409_10.9922.C7.o2.np	Method	AAT/NAP
Start	1295	End	2287
GI	4680183	Score	181

Exons	1295..1386, 1989..2057, 2235..2287		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	30393	Seq. ID	OJ990409_10.9922.C8
Gene No.	62827	Strand	+
Start	615	End	4339
Name	OJ990409_10.9922.C8.o1.gs	Method	GENSCAN
Start	615	End	4339
GI	none	Score	.74
Exons	615..744, 3361..3623, 4190..4339		
Seq. No.	30393	Seq. ID	OJ990409_10.9922.C8
Gene No.	62828	Strand	-
Start	2590	End	6752
Name	OJ990409_10.9922.C8.o1.np	Method	AAT/NAP
Start	2590	End	6752
GI	4530126	Score	195
Exons	2590..2717, 2828..2959, 6486..6752		
GI Descrip.	(AF078082) receptor-like protein kinase homolog RK20-1 [Phaseolus vulgaris]		
Seq. No.	30393	Seq. ID	OJ990409_10.9922.C8
Gene No.	62828	Strand	-
Start	2590	End	6752
Name	OJ990409_10.9922.C8.o2.gs	Method	GENSCAN
Start	6274	End	6699
GI	none	Score	.65
Exons	6274..6699		
Seq. No.	30394	Seq. ID	OJ990409_10.9922.C9
Gene No.	62829	Strand	+
Start	113	End	2045
Name	OJ990409_10.9922.C9.o1.gs	Method	GENSCAN
Start	113	End	2045
GI	none	Score	.79
Exons	113..430, 1993..2045		
Seq. No.	30394	Seq. ID	OJ990409_10.9922.C9
Gene No.	62830	Strand	+
Start	4534	End	5365
Name	OJ990409_10.9922.C9.o2.gs	Method	GENSCAN
Start	4534	End	5365
GI	none	Score	.43
Exons	4534..4777, 4920..5365		
Seq. No.	30394	Seq. ID	OJ990409_10.9922.C9
Gene No.	62831	Strand	+
Start	13257	End	19940
Name	OJ990409_10.9922.C9.o4.gs	Method	GENSCAN
Start	13257	End	19940
GI	none	Score	.78
Exons	13257..14160, 14878..15015, 15543..15673, 18656..18866, 18996..19233, 19312..19462, 19578..19940		
Seq. No.	30394	Seq. ID	OJ990409_10.9922.C9
Gene No.	62831	Strand	+
Start	13257	End	19940

Name	OJ990409_10.9922.C9.o2.np	Method	AAT/NAP
Start	13329	End	19937
GI	4530126	Score	1027
Exons	13329..14160, 14908..15015, 15543..15673, 18656..18866, 18996..19233, 19312..19462, 19578..19785, 19815..19937		
GI Descrip.	(AF078082) receptor-like protein kinase homolog RK20-1 [Phaseolus vulgaris]		

Seq. No.	30394	Seq. ID	OJ990409_10.9922.C9
Gene No.	62831	Strand	+
Start	13257	End	19940
Name	OJ990409_10.9922.C9.o1.gp	Method	AAT/GAP
Start	14868	End	18873
GI	LIB3434-031-P1-K1-A3	Score	877
Exons	14868..15015, 15543..15673, 18656..18873		
GI Descrip.	'4803938/gb|AAD29811.1|AC006264_19 1.0e-18 (AC006264) putative aromatic amino acid permease [Arabidopsis thaliana] >gi_5139337_emb_CAB45643.1_ (AJ243221) putative AUX1-like permease [Arabidopsis thaliana]'		

Seq. No.	30394	Seq. ID	OJ990409_10.9922.C9
Gene No.	62832	Strand	+
Start	20770	End	21481
Name	OJ990409_10.9922.C9.o5.gs	Method	GENSCAN
Start	20770	End	21481
GI	none	Score	.77
Exons	20770..20918, 21137..21283, 21412..21481		

Seq. No.	30394	Seq. ID	OJ990409_10.9922.C9
Gene No.	62833	Strand	-
Start	6629	End	11681
Name	OJ990409_10.9922.C9.o3.gs	Method	GENSCAN
Start	6629	End	10199
GI	none	Score	.88
Exons	6629..6934, 7016..7166, 7278..7515, 7856..8066, 8145..8260, 8515..8646, 9306..9711, 9717..10199		

Seq. No.	30394	Seq. ID	OJ990409_10.9922.C9
Gene No.	62833	Strand	-
Start	6629	End	11681
Name	OJ990409_10.9922.C9.o1.np	Method	AAT/NAP
Start	6632	End	11681
GI	3269291	Score	755
Exons	6632..6934, 7016..7166, 7278..7515, 7856..8066, 8145..8260, 8503..8621, 11596..11681		
GI Descrip.	(AL030978) putative receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	30394	Seq. ID	OJ990409_10.9922.C9
Gene No.	62834	Strand	-
Start	21932	End	28197
Name	OJ990409_10.9922.C9.o6.gs	Method	GENSCAN
Start	21932	End	28197
GI	none	Score	.95
Exons	21932..22054, 22124..22270, 22393..22543, 22635..22872, 22999..23209, 23711..23841, 24238..24375, 27309..28197		

Seq. No.	30394	Seq. ID	OJ990409_10.9922.C9
Gene No.	62834	Strand	-
Start	21932	End	28197
Name	OJ990409_10.9922.C9.o3.np	Method	AAT/NAP
Start	21935	End	28122
GI	4530126	Score	1053
Exons	21935..22270, 22393..22543, 22635..22872, 22999..23209, 23711..23869, 24267..24371, 27305..28122		
GI Descrip.	(AF078082) receptor-like protein kinase homolog RK20-1 [Phaseolus vulgaris]		

Seq. No.	30394	Seq. ID	OJ990409_10.9922.C9
Gene No.	62835	Strand	-
Start	29587	End	29706
Name	OJ990409_10.9922.C9.o2.tm	Method	TBLASTX:Maize
Start	166	End	28009
GI	none	Score	111
Exons	166..309, 170..301, 9906..10043, 9910..10044, 13442..13609, 13443..13610, 27841..28008, 27842..28009		

Seq. No.	30394	Seq. ID	OJ990409_10.9922.C9
Gene No.	62835	Strand	-
Start	29587	End	29706
Name	OJ990409_10.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	6629	End	23785
GI	none	Score	77
Exons	6629..6703, 6728..6943, 6755..6937, 7016..7165, 7059..7166, 7280..7507, 7281..7502, 7848..8066, 7870..8067, 8145..8210, 15599..15673, 18653..18877, 18655..18852, 18967..19086, 18995..19231, 19019..19204, 19147..19233, 19150..19230, 19311..19418, 19312..19452, 19312..19419, 19313..19459, 19581..19631, 19632..19778, 21923..21973, 22070..22207, 22211..22282, 22396..22605, 22436..22543, 22637..22873, 22638..22718, 22664..22849, 22782..22892, 22991..23212, 23013..23210, 23711..23785		

Seq. No.	30394	Seq. ID	OJ990409_10.9922.C9
Gene No.	62835	Strand	-
Start	29587	End	29706
Name	OJ990409_10.9922.C9.o1.tc	Method	TBLASTX:Cress
Start	6725	End	28068
GI	none	Score	92
Exons	6725..6922, 6747..6902, 6986..7162, 7056..7160, 7127..7165, 7280..7516, 7281..7496, 7283..7498, 7857..8066, 7858..8067, 8144..8182, 8145..8210, 8525..8647, 13902..13961, 15599..15694, 18653..18865, 18655..18864, 18798..18887, 18995..19231, 19019..19168, 19048..19233, 19150..19230, 19315..19437, 19316..19468, 19318..19419, 19647..19784, 22064..22216, 22387..22539, 22436..22537, 22637..22873, 22640..22849, 22993..23112, 23000..23212, 23001..23210, 23711..23785, 23712..23825, 27490..27549, 27841..28068		

Seq. No.	30394	Seq. ID	OJ990409_10.9922.C9
Gene No.	62835	Strand	-
Start	29587	End	29706
Name	OJ990409_10.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	6764	End	23785

GI	none	Score	139
Exons	6764..6943, 6987..7166, 7004..7165, 7278..7499, 7280..7495, 7857..8066, 7861..8067, 8145..8210, 15599..15673, 18643..18789, 18653..18865, 19016..19231, 19016..19234, 19312..19419, 19313..19456, 19634..19681, 19659..19745, 22103..22207, 22399..22605, 22436..22543, 22438..22605, 22634..22852, 22637..22852, 23000..23212, 23076..23210, 23699..23785		

Seq. No.	30394	Seq. ID	OJ990409_10.9922.C9
Gene No.	62835	Strand	-
Start	29587	End	29706
Name	OJ990409_10.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	7016	End	22810
GI	none	Score	89
Exons	7016..7165, 7059..7166, 7280..7453, 7281..7451, 19058..19231, 19240..19437, 19313..19456, 22399..22542, 22418..22543, 22637..22810		

Seq. No.	30394	Seq. ID	OJ990409_10.9922.C9
Gene No.	62835	Strand	-
Start	29587	End	29706
Name	OJ990409_10.9922.C9.o2.tw	Method	TBLASTX:Wheat
Start	7857	End	23212
GI	none	Score	75
Exons	7857..8051, 7857..8066, 7861..8067, 18643..18861, 18653..18865, 23000..23212, 23004..23210		

Seq. No.	30394	Seq. ID	OJ990409_10.9922.C9
Gene No.	62835	Strand	-
Start	29587	End	29706
Name	OJ990409_10.9922.C9.o7.gs	Method	GENSCAN
Start	29587	End	29706
GI	none	Score	.66
Exons	29587..29706		

Seq. No.	30395	Seq. ID	OJ990409_10.9922.C10
Gene No.	62836	Strand	+
Start	601	End	982
Name	OJ990409_10.9922.C10.o1.gs	Method	GENSCAN
Start	601	End	982
GI	none	Score	.58
Exons	601..982		

Seq. No.	30395	Seq. ID	OJ990409_10.9922.C10
Gene No.	62837	Strand	+
Start	1791	End	4680
Name	OJ990409_10.9922.C10.o1.gp	Method	AAT/GAP
Start	1724	End	2117
GI	none	Score	788
Exons	1724..2117		

Seq. No.	30395	Seq. ID	OJ990409_10.9922.C10
Gene No.	62837	Strand	+
Start	1791	End	4680
Name	OJ990409_10.9922.C10.o2.gs	Method	GENSCAN
Start	1791	End	4680
GI	none	Score	.88

Exons	1791..2655, 2847..2987, 3234..3418, 3441..3651, 3773..4010, 4094..4244, 4330..4680		
Seq. No.	30395	Seq. ID	OJ990409_10.9922.C10
Gene No.	62837	Strand	+
Start	1791	End	4680
Name	OJ990409_10.9922.C10.o1.np	Method	AAT/NAP
Start	1824	End	4677
GI	3021270	Score	1116
Exons	1824..2655, 3186..3364, 3441..3651, 3773..4010, 4094..4244, 4330..4565, 4599..4677		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	30395	Seq. ID	OJ990409_10.9922.C10
Gene No.	62837	Strand	+
Start	1791	End	4680
Name	OJ990409_10.9922.C10.o2.gp	Method	AAT/GAP
Start	4183	End	4658
GI	LIB3432-021-P1-K1-F12	Score	925
Exons	4183..4658		
GI Descrip.	'2129703/pir||S70769 8.0e-17 receptor kinase - Arabidopsis thaliana >gi_2129704_pir__S71184 receptor kinase - Arabidopsis thaliana >gi_166692 (M80238) receptor kinase [Arabidopsis thaliana] >gi_445123_prf__1908429A receptor kinase [Arabidopsis thaliana]'		

Seq. No.	30395	Seq. ID	OJ990409_10.9922.C10
Gene No.	62838	Strand	-
Start	7529	End	8074
Name	OJ990409_10.9922.C10.o3.gs	Method	GENSCAN
Start	7529	End	8074
GI	none	Score	.78
Exons	7529..7837, 8057..8074		

Seq. No.	30395	Seq. ID	OJ990409_10.9922.C10
Gene No.	62839	Strand	-
Start	8600	End	21271
Name	OJ990409_10.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	1054	End	20132
GI	none	Score	34
Exons	1054..1080, 1065..1133, 3834..4007, 3835..4008, 3841..4008, 4094..4201, 4095..4214, 8979..9017, 9118..9261, 9118..9261, 9158..9262, 9336..9509, 9337..9507, 19771..19875, 19772..19876, 19959..20132, 19960..20130		

Seq. No.	30395	Seq. ID	OJ990409_10.9922.C10
Gene No.	62839	Strand	-
Start	8600	End	21271
Name	OJ990409_10.9922.C10.o3.ts	Method	TBLASTX:Soybean
Start	1929	End	11663
GI	none	Score	221
Exons	1929..2216, 2415..2603, 11133..11201, 11229..11315, 11496..11663		

Seq. No.	30395	Seq. ID	OJ990409_10.9922.C10
Gene No.	62839	Strand	-
Start	8600	End	21271

Name	OJ990409_10.9922.C10.o1.tc	Method	TBLASTX:Cress
Start	1932	End	20838
GI	none	Score	133
Exons	1932..2153, 2415..2474, 3289..3363, 3290..3364, 3440..3649, 3441..3650, 3554..3658, 3768..4007, 3772..4008, 4098..4274, 4100..4204, 4342..4539, 4362..4541, 8836..8988, 8850..9008, 9136..9258, 9152..9256, 9334..9573, 9336..9572, 9691..9930, 9692..9886, 9973..10107, 9984..10037, 11241..11315, 19264..19407, 19272..19427, 19747..19872, 19766..19870, 19772..19873, 19957..20196, 19959..20195, 20290..20526, 20315..20524, 20716..20838		

Seq. No.	30395	Seq. ID	OJ990409_10.9922.C10
Gene No.	62839	Strand	-
Start	8600	End	21271
Name	OJ990409_10.9922.C10.o3.tm	Method	TBLASTX:Maize
Start	1952	End	11759
GI	none	Score	188
Exons	1952..2086, 1953..2117, 11595..11759, 11596..11751		

Seq. No.	30395	Seq. ID	OJ990409_10.9922.C10
Gene No.	62839	Strand	-
Start	8600	End	21271
Name	OJ990409_10.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	3283	End	20806
GI	none	Score	73
Exons	3283..3357, 3290..3364, 3440..3634, 3441..3650, 3789..4010, 3793..4008, 4046..4216, 4095..4238, 4306..4500, 8793..9029, 8851..8949, 9118..9261, 9152..9262, 9336..9551, 9373..9588, 9691..9951, 9767..9952, 9940..10074, 19275..19436, 19753..19875, 19766..19876, 19959..20174, 19996..20151, 20314..20496, 20314..20526, 20390..20524, 20716..20805, 20717..20806		

Seq. No.	30395	Seq. ID	OJ990409_10.9922.C10
Gene No.	62839	Strand	-
Start	8600	End	21271
Name	OJ990409_10.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	3283	End	20845
GI	none	Score	85
Exons	3283..3363, 3290..3364, 3440..3637, 3441..3659, 3747..4007, 3772..4008, 4094..4201, 4095..4241, 4095..4214, 4321..4536, 4327..4509, 4639..4701, 8850..9023, 8850..9029, 9118..9261, 9158..9262, 9176..9262, 9333..9548, 9334..9573, 9336..9572, 9682..9930, 9704..9901, 9985..10113, 19269..19442, 19275..19436, 19703..19876, 19741..19875, 19749..19877, 19790..19876, 19957..20256, 19959..20255, 20290..20526, 20314..20514, 20327..20524, 20716..20844, 20723..20845		

Seq. No.	30395	Seq. ID	OJ990409_10.9922.C10
Gene No.	62839	Strand	-
Start	8600	End	21271
Name	OJ990409_10.9922.C10.o3.tw	Method	TBLASTX:Wheat
Start	3440	End	20526
GI	none	Score	224
Exons	3440..3646, 3441..3650, 3453..3650, 9510..9572, 9667..9903, 9695..9901, 9703..9903, 20133..20255, 20314..20526, 20318..20524		

Seq. No.	30395	Seq. ID	OJ990409_10.9922.C10
Gene No.	62839	Strand	-
Start	8600	End	21271
Name	OJ990409_10.9922.C10.o4.gs	Method	GENSCAN
Start	8600	End	10095
GI	none	Score	.64
Exons	8600..8817, 8846..9020, 9112..9262, 9334..9571, 9690..9900, 9985..10095		

Seq. No.	30395	Seq. ID	OJ990409_10.9922.C10
Gene No.	62839	Strand	-
Start	8600	End	21271
Name	OJ990409_10.9922.C10.o2.np	Method	AAT/NAP
Start	8694	End	16096
GI	3021268	Score	972
Exons	8694..9020, 9112..9262, 9334..9571, 9690..9900, 9985..10174, 11073..11792, 15993..16096		
GI Descrip.	(AL022347) putative protein [Arabidopsis thaliana]		

Seq. No.	30395	Seq. ID	OJ990409_10.9922.C10
Gene No.	62839	Strand	-
Start	8600	End	21271
Name	OJ990409_10.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	12572	End	12974
GI	none	Score	188
Exons	12572..12787, 12573..12788, 12855..12974		

Seq. No.	30395	Seq. ID	OJ990409_10.9922.C10
Gene No.	62839	Strand	-
Start	8600	End	21271
Name	OJ990409_10.9922.C10.o2.ts	Method	TBLASTX:Soybean
Start	12573	End	13165
GI	none	Score	261
Exons	12573..12974, 12579..12782, 13025..13165		

Seq. No.	30395	Seq. ID	OJ990409_10.9922.C10
Gene No.	62839	Strand	-
Start	8600	End	21271
Name	OJ990409_10.9922.C10.o2.tw	Method	TBLASTX:Wheat
Start	12606	End	12968
GI	none	Score	240
Exons	12606..12968, 12620..12787		

Seq. No.	30395	Seq. ID	OJ990409_10.9922.C10
Gene No.	62839	Strand	-
Start	8600	End	21271
Name	OJ990409_10.9922.C10.o6.gs	Method	GENSCAN
Start	15072	End	20852
GI	none	Score	.58
Exons	15072..15148, 15759..15926, 16492..16643, 16991..17243, 17411..17546, 18189..18400, 19271..19439, 19723..19876, 19957..20194, 20262..20523, 20716..20852		

Seq. No.	30395	Seq. ID	OJ990409_10.9922.C10
Gene No.	62839	Strand	-
Start	8600	End	21271
Name	OJ990409_10.9922.C10.o3.gp	Method	AAT/GAP

Start	15614	End	16253
GI	none	Score	949
Exons	15614..16033, 16169..16253		

Seq. No.	30395	Seq. ID	OJ990409_10.9922.C10
Gene No.	62839	Strand	-
Start	8600	End	21271
Name	OJ990409_10.9922.C10.o4.gp	Method	AAT/GAP
Start	16563	End	16846
GI	LIB3432-050-P1-K1-E5	Score	537
Exons	16563..16846		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	30395	Seq. ID	OJ990409_10.9922.C10
Gene No.	62839	Strand	-
Start	8600	End	21271
Name	OJ990409_10.9922.C10.o3.np	Method	AAT/NAP
Start	19116	End	21271
GI	3021270	Score	751
Exons	19116..19439, 19723..19876, 19957..20194, 20313..20523, 20716..20836, 21128..21271		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	30396	Seq. ID	OJ990409_10.9922.C11
Gene No.	62840	Strand	-
Start	1	End	2130
Name	OJ990409_10.9922.C11.o1.np	Method	AAT/NAP
Start	1	End	2130
GI	2911080	Score	83
Exons	1..213, 823..947, 2084..2130		
GI Descrip.	(AL021960) receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	30396	Seq. ID	OJ990409_10.9922.C11
Gene No.	62840	Strand	-
Start	1	End	2130
Name	OJ990409_10.9922.C11.o1.gs	Method	GENSCAN
Start	90	End	1904
GI	none	Score	.71
Exons	90..226, 911..951, 1537..1650, 1692..1778, 1804..1904		

Seq. No.	30397	Seq. ID	OJ990409_10.9922.C12
Gene No.	62841	Strand	+
Start	22238	End	24039
Name	OJ990409_10.9922.C12.o5.gs	Method	GENSCAN
Start	22238	End	24039
GI	none	Score	.64
Exons	22238..22897, 23297..23549, 23762..24039		

Seq. No.	30397	Seq. ID	OJ990409_10.9922.C12
Gene No.	62842	Strand	-
Start	1576	End	2488
Name	OJ990409_10.9922.C12.o1.gs	Method	GENSCAN
Start	1576	End	2488
GI	none	Score	.78
Exons	1576..1630, 1733..2488		

Seq. No.	30397	Seq. ID	OJ990409_10.9922.C12
Gene No.	62843	Strand	-
Start	8278	End	13062
Name	OJ990409_10.9922.C12.o2.np	Method	AAT/NAP
Start	8278	End	13062
GI	3021270	Score	975
Exons	8278..8413, 8903..9081, 9403..9556, 9649..9886, 9968..10174, 10457..10633, 11543..12288, 12955..13062		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	30397	Seq. ID	OJ990409_10.9922.C12
Gene No.	62843	Strand	-
Start	8278	End	13062
Name	OJ990409_10.9922.C12.o1.np	Method	AAT/NAP
Start	8806	End	10475
GI	2911080	Score	403
Exons	8806..9081, 9403..9556, 9649..9955, 10457..10475		
GI Descrip.	(AL021960) receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	30397	Seq. ID	OJ990409_10.9922.C12
Gene No.	62844	Strand	-
Start	13239	End	14120
Name	OJ990409_10.9922.C12.o3.gs	Method	GENSCAN
Start	13239	End	14120
GI	none	Score	.6
Exons	13239..13478, 13751..13805, 14065..14120		

Seq. No.	30397	Seq. ID	OJ990409_10.9922.C12
Gene No.	62845	Strand	-
Start	14311	End	20963
Name	OJ990409_10.9922.C12.o3.np	Method	AAT/NAP
Start	14311	End	20963
GI	3021270	Score	910
Exons	14311..14423, 15379..15583, 15722..15872, 15959..16196, 16293..16503, 18193..18350, 19105..19874, 20869..20963		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	30397	Seq. ID	OJ990409_10.9922.C12
Gene No.	62845	Strand	-
Start	14311	End	20963
Name	OJ990409_10.9922.C12.o4.gs	Method	GENSCAN
Start	15308	End	19963
GI	none	Score	.89
Exons	15308..15583, 15722..15872, 15959..16152, 16751..16771, 18193..18320, 18417..18554, 19129..19963		

Seq. No.	30397	Seq. ID	OJ990409_10.9922.C12
Gene No.	62846	Strand	-
Start	25085	End	31692
Name	OJ990409_10.9922.C12.o1.tc	Method	TBLASTX:Cress
Start	1745	End	31586
GI	none	Score	103
Exons	1745..1804, 8908..9075, 9448..9552, 9461..9550, 9506..9553, 9649..9873, 9651..9887, 9652..9888, 9969..10157, 9970..10158,		

10457..10600, 10458..10520, 11745..11807, 15402..15551,
15410..15577, 15716..15868, 15762..15866, 15762..15869,
15961..16197, 15962..16198, 16294..16479, 16306..16488,
18193..18318, 18194..18256, 19592..19732, 19676..19732,
19751..19861, 27162..27308, 27167..27334, 27528..27632,
27541..27633, 27724..27960, 27725..27940, 27730..27942,
28054..28176, 28055..28252, 28056..28250, 29630..29782,
31524..31586

Seq. No.	30397	Seq. ID	OJ990409_10.9922.C12
Gene No.	62846	Strand	-
Start	25085	End	31692
Name	OJ990409_10.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	8884	End	29737
GI	none	Score	78
Exons	8884..9078, 8885..9007, 9454..9555, 9455..9556, 9651..9890, 9652..9867, 9969..10151, 9969..10157, 9973..10158, 10457..10564, 15392..15571, 15441..15512, 15728..15886, 15753..15893, 15880..16248, 15962..16177, 16294..16434, 16298..16498, 16309..16488, 18193..18318, 27143..27337, 27144..27275, 27519..27548, 27534..27635, 27535..27636, 27724..27939, 27725..27940, 28031..28234, 28031..28249, 28071..28250, 29630..29737		

Seq. No.	30397	Seq. ID	OJ990409_10.9922.C12
Gene No.	62846	Strand	-
Start	25085	End	31692
Name	OJ990409_10.9922.C12.o1.ts	Method	TBLASTX:Soybean
Start	8911	End	29746
GI	none	Score	119
Exons	8911..9078, 9454..9555, 9461..9556, 9489..9557, 9491..9556, 9649..9747, 9651..9887, 9652..9891, 9969..10160, 9973..10161, 10457..10573, 15413..15577, 15725..15886, 15765..15872, 15961..16197, 15962..16201, 16296..16409, 16298..16489, 16306..16488, 18193..18309, 27170..27337, 27534..27635, 27537..27635, 27541..27636, 27724..27960, 27725..27940, 27748..27942, 28046..28252, 28068..28250, 29630..29746		

Seq. No.	30397	Seq. ID	OJ990409_10.9922.C12
Gene No.	62846	Strand	-
Start	25085	End	31692
Name	OJ990409_10.9922.C12.o1.tw	Method	TBLASTX:Wheat
Start	9445	End	27898
GI	none	Score	99
Exons	9445..9555, 9446..9589, 9648..9824, 9649..9825, 15728..15886, 15747..15890, 15880..16134, 15959..16132, 27525..27635, 27526..27636, 27721..27897, 27722..27898		

Seq. No.	30397	Seq. ID	OJ990409_10.9922.C12
Gene No.	62846	Strand	-
Start	25085	End	31692
Name	OJ990409_10.9922.C12.o2.tw	Method	TBLASTX:Wheat
Start	9825	End	28250
GI	none	Score	116
Exons	9825..9887, 9952..10161, 9954..10160, 16135..16197, 16298..16498, 16306..16488, 27898..27939, 28014..28250, 28037..28249		

Seq. No.	30397	Seq. ID	OJ990409_10.9922.C12
Gene No.	62846	Strand	-
Start	25085	End	31692
Name	OJ990409_10.9922.C12.o6.gs	Method	GENSCAN
Start	25085	End	31538
GI	none	Score	.63
Exons	25085..25572, 27094..27340, 27480..27636, 27722..27989, 28054..28261, 29630..29757, 29850..29981, 31380..31538		

Seq. No.	30397	Seq. ID	OJ990409_10.9922.C12
Gene No.	62846	Strand	-
Start	25085	End	31692
Name	OJ990409_10.9922.C12.o4.np	Method	AAT/NAP
Start	27029	End	31692
GI	3021270	Score	748
Exons	27029..27340, 27480..27636, 27722..27959, 28054..28261, 29630..29750, 30262..30319, 31325..31692		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	30397	Seq. ID	OJ990409_10.9922.C12
Gene No.	62846	Strand	-
Start	25085	End	31692
Name	OJ990409_10.9922.C12.o1.gp	Method	AAT/GAP
Start	29373	End	29431
GI	2312838	Score	77
Exons	29373..29431		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	30398	Seq. ID	OJ990409_10.9922.C13
Gene No.	62847	Strand	+
Start	52	End	404
Name	OJ990409_10.9922.C13.o1.gs	Method	GENSCAN
Start	52	End	404
GI	none	Score	.53
Exons	52..404		

Seq. No.	30398	Seq. ID	OJ990409_10.9922.C13
Gene No.	62848	Strand	-
Start	1948	End	2158
Name	OJ990409_10.9922.C13.o1.tm	Method	TBLASTX:Maize
Start	57	End	278
GI	none	Score	79
Exons	57..176, 58..159, 162..278		

Seq. No.	30398	Seq. ID	OJ990409_10.9922.C13
Gene No.	62848	Strand	-
Start	1948	End	2158
Name	OJ990409_10.9922.C13.o2.np	Method	AAT/NAP
Start	1948	End	2158
GI	3688591	Score	150
Exons	1948..2158		
GI Descrip.	(AB007505) MADS box transcription factor [Triticum aestivum]		

Seq. No.	30399	Seq. ID	OJ990409_10.9922.C14

Gene No.	62849	Strand	-
Start	1399	End	1868
Name	OJ990409_10.9922.C14.o1.tc	Method	TBLASTX:Cress
Start	1398	End	1830
GI	none	Score	63
Exons	1398..1556, 1423..1530, 1654..1830, 1667..1828		

Seq. No.	30399	Seq. ID	OJ990409_10.9922.C14
Gene No.	62849	Strand	-
Start	1399	End	1868
Name	OJ990409_10.9922.C14.o1.ts	Method	TBLASTX:Soybean
Start	1398	End	1834
GI	none	Score	68
Exons	1398..1502, 1476..1628, 1729..1833, 1739..1834		

Seq. No.	30399	Seq. ID	OJ990409_10.9922.C14
Gene No.	62849	Strand	-
Start	1399	End	1868
Name	OJ990409_10.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	1398	End	1801
GI	none	Score	79
Exons	1398..1562, 1400..1543, 1400..1567, 1408..1563, 1681..1719, 1682..1717, 1696..1800, 1702..1788, 1709..1801		

Seq. No.	30399	Seq. ID	OJ990409_10.9922.C14
Gene No.	62849	Strand	-
Start	1399	End	1868
Name	OJ990409_10.9922.C14.o1.np	Method	AAT/NAP
Start	1399	End	1868
GI	2129703	Score	213
Exons	1399..1562, 1684..1868		
GI Descrip.	receptor kinase - Arabidopsis thaliana gi|2129704|pir||S71184 receptor kinase - Arabidopsis thaliana gi|166692 (M80238) receptor kinase [Arabidopsis thaliana] gi|445123|prf||1908429A receptor kinase [Arabidopsis thaliana]		

Seq. No.	30399	Seq. ID	OJ990409_10.9922.C14
Gene No.	62849	Strand	-
Start	1399	End	1868
Name	OJ990409_10.9922.C14.o1.gs	Method	GENSCAN
Start	1684	End	1827
GI	none	Score	.59
Exons	1684..1827		

Seq. No.	30400	Seq. ID	OJ990409_10.9922.C16
Gene No.	62850	Strand	+
Start	651	End	804
Name	OJ990409_10.9922.C16.o1.gs	Method	GENSCAN
Start	651	End	804
GI	none	Score	.4
Exons	651..804		

Seq. No.	30401	Seq. ID	OJ990409_10.9922.C19
Gene No.	62851	Strand	-
Start	1	End	1203
Name	OJ990409_10.9922.C19.o1.np	Method	AAT/NAP
Start	1	End	1203

GI	3021270	Score	643
Exons	1..91, 203..440, 781..991, 1070..1203		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	30401	Seq. ID	OJ990409_10.9922.C19
Gene No.	62851	Strand	-
Start	1	End	1203
Name	OJ990409_10.9922.C19.o1.tc	Method	TBLASTX:Cress
Start	2	End	1120
GI	none	Score	63
Exons	2..70, 6..74, 205..441, 206..421, 208..423, 769..849, 782..991, 783..992, 1069..1107, 1070..1120		

Seq. No.	30401	Seq. ID	OJ990409_10.9922.C19
Gene No.	62851	Strand	-
Start	1	End	1203
Name	OJ990409_10.9922.C19.o1.ts	Method	TBLASTX:Soybean
Start	2	End	447
GI	none	Score	145
Exons	2..70, 73..99, 188..400, 196..447		

Seq. No.	30401	Seq. ID	OJ990409_10.9922.C19
Gene No.	62851	Strand	-
Start	1	End	1203
Name	OJ990409_10.9922.C19.o2.tm	Method	TBLASTX:Maize
Start	2	End	460
GI	none	Score	56
Exons	2..70, 6..74, 73..90, 217..441, 251..460		

Seq. No.	30401	Seq. ID	OJ990409_10.9922.C19
Gene No.	62851	Strand	-
Start	1	End	1203
Name	OJ990409_10.9922.C19.o1.gs	Method	GENSCAN
Start	203	End	1105
GI	none	Score	.84
Exons	203..440, 781..991, 1070..1105		

Seq. No.	30401	Seq. ID	OJ990409_10.9922.C19
Gene No.	62851	Strand	-
Start	1	End	1203
Name	OJ990409_10.9922.C19.o1.tw	Method	TBLASTX:Wheat
Start	328	End	992
GI	none	Score	59
Exons	328..441, 335..442, 782..976, 782..991, 786..992		

Seq. No.	30401	Seq. ID	OJ990409_10.9922.C19
Gene No.	62851	Strand	-
Start	1	End	1203
Name	OJ990409_10.9922.C19.o2.ts	Method	TBLASTX:Soybean
Start	773	End	1120
GI	none	Score	143
Exons	773..991, 795..992, 1070..1120		

Seq. No.	30401	Seq. ID	OJ990409_10.9922.C19
Gene No.	62851	Strand	-
Start	1	End	1203

Name	OJ990409_10.9922.C19.o1.tm	Method	TBLASTX:Maize
Start	785	End	1197
GI	none	Score	185
Exons	785..994, 785..991, 787..1005, 1066..1197, 1069..1197		

Seq. No.	30402	Seq. ID	OJ990419_12.9923.C1
Gene No.	62852	Strand	+
Start	99	End	211
Name	OJ990419_12.9923.C1.o1.gs	Method	GENSCAN
Start	99	End	211
GI	none	Score	.8
Exons	99..211		

Seq. No.	30403	Seq. ID	OJ990419_12.9923.C3
Gene No.	62853	Strand	+
Start	1	End	529
Name	OJ990419_12.9923.C3.o1.np	Method	AAT/NAP
Start	1	End	517
GI	4544419	Score	395
Exons	1..517		
GI Descrip.	(AC006955) unknown protein [Arabidopsis thaliana]		

Seq. No.	30403	Seq. ID	OJ990419_12.9923.C3
Gene No.	62853	Strand	+
Start	1	End	529
Name	OJ990419_12.9923.C3.o1.tc	Method	TBLASTX:Cress
Start	2	End	337
GI	none	Score	353
Exons	2..337, 4..327, 74..337		

Seq. No.	30403	Seq. ID	OJ990419_12.9923.C3
Gene No.	62853	Strand	+
Start	1	End	529
Name	OJ990419_12.9923.C3.o1.tm	Method	TBLASTX:Maize
Start	2	End	387
GI	none	Score	423
Exons	2..337, 2..337, 4..387		

Seq. No.	30403	Seq. ID	OJ990419_12.9923.C3
Gene No.	62853	Strand	+
Start	1	End	529
Name	OJ990419_12.9923.C3.o1.ts	Method	TBLASTX:Soybean
Start	2	End	337
GI	none	Score	358
Exons	2..337, 4..327		

Seq. No.	30403	Seq. ID	OJ990419_12.9923.C3
Gene No.	62853	Strand	+
Start	1	End	529
Name	OJ990419_12.9923.C3.o1.gs	Method	GENSCAN
Start	50	End	529
GI	none	Score	.46
Exons	50..529		

Seq. No.	30404	Seq. ID	OJ990419_12.9923.C4
Gene No.	62854	Strand	+
Start	1	End	516

Name	OJ990419_12.9923.C4.o1.np	Method	AAT/NAP
Start	1	End	419
GI	6630685	Score	558
Exons	1..419		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	30404	Seq. ID	OJ990419_12.9923.C4
Gene No.	62854	Strand	+
Start	1	End	516
Name	OJ990419_12.9923.C4.o1.tm	Method	TBLASTX:Maize
Start	2	End	516
GI	none	Score	545
Exons	2..430, 3..416, 93..431, 317..421, 319..432, 319..441, 460..516		

Seq. No.	30404	Seq. ID	OJ990419_12.9923.C4
Gene No.	62854	Strand	+
Start	1	End	516
Name	OJ990419_12.9923.C4.o1.ts	Method	TBLASTX:Soybean
Start	2	End	428
GI	none	Score	124
Exons	2..139, 3..146, 180..428, 188..355		

Seq. No.	30404	Seq. ID	OJ990419_12.9923.C4
Gene No.	62854	Strand	+
Start	1	End	516
Name	OJ990419_12.9923.C4.o1.tc	Method	TBLASTX:Cress
Start	36	End	401
GI	none	Score	82
Exons	36..170, 156..401, 182..349		

Seq. No.	30404	Seq. ID	OJ990419_12.9923.C4
Gene No.	62854	Strand	+
Start	1	End	516
Name	OJ990419_12.9923.C4.o1.tw	Method	TBLASTX:Wheat
Start	36	End	368
GI	none	Score	105
Exons	36..161, 56..157, 180..368, 236..355, 237..356		

Seq. No.	30405	Seq. ID	OJ990419_12.9923.C5
Gene No.	62855	Strand	+
Start	459	End	506
Name	OJ990419_12.9923.C5.o1.gs	Method	GENSCAN
Start	459	End	506
GI	none	Score	.5
Exons	459..506		

Seq. No.	30406	Seq. ID	OJ990419_12.9923.C6
Gene No.	62856	Strand	+
Start	1	End	560
Name	OJ990419_12.9923.C6.o1.np	Method	AAT/NAP
Start	1	End	560
GI	6815109	Score	117
Exons	1..254, 538..560		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	30406	Seq. ID	OJ990419_12.9923.C6

Gene No.	62857	Strand	-
Start	362	End	484
Name	OJ990419_12.9923.C6.o1.gs	Method	GENSCAN
Start	362	End	484
GI	none	Score	.75
Exons	362..484		

Seq. No.	30407	Seq. ID	OJ990419_12.9923.C7
Gene No.	62858	Strand	+
Start	1	End	1534
Name	OJ990419_12.9923.C7.o1.np	Method	AAT/NAP
Start	1	End	1455
GI	2947068	Score	115
Exons	1..162, 252..341, 981..1055, 1225..1455		
GI Descrip.	(AC002521) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30407	Seq. ID	OJ990419_12.9923.C7
Gene No.	62858	Strand	+
Start	1	End	1534
Name	OJ990419_12.9923.C7.o1.gp	Method	AAT/GAP
Start	65	End	1496
GI	18310_1.R1084	Score	672
Exons	65..162, 252..341, 981..1055, 1151..1183, 1258..1338, 1475..1496		
GI Descrip.	'2213583 3.0e-51 (AC000348) T7N9.3 [Arabidopsis thaliana]'		

Seq. No.	30407	Seq. ID	OJ990419_12.9923.C7
Gene No.	62858	Strand	+
Start	1	End	1534
Name	OJ990419_12.9923.C7.o1.tm	Method	TBLASTX:Maize
Start	66	End	1340
GI	none	Score	126
Exons	66..161, 67..162, 76..162, 251..343, 252..344, 978..1073, 978..1055, 979..1056, 980..1057, 1150..1197, 1151..1216, 1252..1338, 1254..1340, 1254..1322		

Seq. No.	30407	Seq. ID	OJ990419_12.9923.C7
Gene No.	62858	Strand	+
Start	1	End	1534
Name	OJ990419_12.9923.C7.o1.gs	Method	GENSCAN
Start	103	End	1534
GI	none	Score	.96
Exons	103..162, 252..341, 981..1055, 1258..1338, 1475..1534		

Seq. No.	30408	Seq. ID	OJ990419_12.9923.C8
Gene No.	62859	Strand	+
Start	1	End	1253
Name	OJ990419_12.9923.C8.o1.np	Method	AAT/NAP
Start	1	End	1253
GI	4585981	Score	156
Exons	1..30, 627..691, 798..902, 971..1037, 1231..1253		
GI Descrip.	(AC005287) similar to Na+/H+-exchanging proteins [Arabidopsis thaliana]		

Seq. No.	30408	Seq. ID	OJ990419_12.9923.C8
Gene No.	62860	Strand	-
Start	846	End	1084
Name	OJ990419_12.9923.C8.o1.ts	Method	TBLASTX:Soybean

Start	492	End	1050
GI	none	Score	81
Exons	492..551, 499..549, 502..552, 627..686, 627..692, 628..690, 804..902, 805..903, 984..1049, 987..1049, 988..1050		

Seq. No.	30408	Seq. ID	OJ990419_12.9923.C8
Gene No.	62860	Strand	-
Start	846	End	1084
Name	OJ990419_12.9923.C8.o1.tm	Method	TBLASTX:Maize
Start	498	End	1050
GI	none	Score	76
Exons	498..551, 499..549, 627..692, 628..690, 793..903, 972..1049, 972..1049, 973..1050		

Seq. No.	30408	Seq. ID	OJ990419_12.9923.C8
Gene No.	62860	Strand	-
Start	846	End	1084
Name	OJ990419_12.9923.C8.o1.gs	Method	GENSCAN
Start	846	End	1084
GI	none	Score	.61
Exons	846..913, 1081..1084		

Seq. No.	30409	Seq. ID	OJ990419_12.9923.C10
Gene No.	62861	Strand	-
Start	352	End	544
Name	OJ990419_12.9923.C10.o1.gs	Method	GENSCAN
Start	352	End	544
GI	none	Score	.91
Exons	352..544		

Seq. No.	30410	Seq. ID	OJ990419_12.9923.C11
Gene No.	62862	Strand	+
Start	87	End	1931
Name	OJ990419_12.9923.C11.o1.np	Method	AAT/NAP
Start	87	End	1931
GI	4115536	Score	228
Exons	87..178, 1534..1931		
GI Descrip.	(AB012115) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		

Seq. No.	30410	Seq. ID	OJ990419_12.9923.C11
Gene No.	62862	Strand	+
Start	87	End	1931
Name	OJ990419_12.9923.C11.o1.gs	Method	GENSCAN
Start	1117	End	1924
GI	none	Score	.98
Exons	1117..1300, 1392..1472, 1566..1924		

Seq. No.	30410	Seq. ID	OJ990419_12.9923.C11
Gene No.	62863	Strand	+
Start	2822	End	5136
Name	OJ990419_12.9923.C11.o3.gs	Method	GENSCAN
Start	2822	End	5136
GI	none	Score	.81
Exons	2822..2881, 3473..3640, 3657..3728, 4849..5136		

Seq. No.	30410	Seq. ID	OJ990419_12.9923.C11

Gene No.	62864	Strand	-
Start	2011	End	2709
Name	OJ990419_12.9923.C11.o2.tm	Method	TBLASTX:Maize
Start	1516	End	1919
GI	none	Score	58
Exons	1516..1590, 1588..1683, 1601..1702, 1601..1705, 1752..1919, 1760..1918		

Seq. No.	30410	Seq. ID	OJ990419_12.9923.C11
Gene No.	62864	Strand	-
Start	2011	End	2709
Name	OJ990419_12.9923.C11.o2.ts	Method	TBLASTX:Soybean
Start	1516	End	1913
GI	none	Score	66
Exons	1516..1590, 1600..1692, 1601..1696, 1755..1913, 1787..1894		

Seq. No.	30410	Seq. ID	OJ990419_12.9923.C11
Gene No.	62864	Strand	-
Start	2011	End	2709
Name	OJ990419_12.9923.C11.o1.gp	Method	AAT/GAP
Start	2011	End	2709
GI	59696_1.R1084	Score	1329
Exons	2011..2709		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	30410	Seq. ID	OJ990419_12.9923.C11
Gene No.	62864	Strand	-
Start	2011	End	2709
Name	OJ990419_12.9923.C11.o2.np	Method	AAT/NAP
Start	2240	End	2662
GI	3128177	Score	311
Exons	2240..2662		
GI Descrip.	(AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	30410	Seq. ID	OJ990419_12.9923.C11
Gene No.	62864	Strand	-
Start	2011	End	2709
Name	OJ990419_12.9923.C11.o2.gs	Method	GENSCAN
Start	2249	End	2662
GI	none	Score	.99
Exons	2249..2662		

Seq. No.	30410	Seq. ID	OJ990419_12.9923.C11
Gene No.	62864	Strand	-
Start	2011	End	2709
Name	OJ990419_12.9923.C11.o1.ts	Method	TBLASTX:Soybean
Start	2267	End	2663
GI	none	Score	68
Exons	2267..2455, 2289..2369, 2477..2530, 2477..2662, 2589..2663		

Seq. No.	30410	Seq. ID	OJ990419_12.9923.C11
Gene No.	62864	Strand	-
Start	2011	End	2709
Name	OJ990419_12.9923.C11.o1.tc	Method	TBLASTX:Cress
Start	2300	End	2665
GI	none	Score	170

Exons	2300..2455, 2459..2665		
Seq. No.	30410	Seq. ID	OJ990419_12.9923.C11
Gene No.	62864	Strand	-
Start	2011	End	2709
Name	OJ990419_12.9923.C11.o1.tm	Method	TBLASTX:Maize
Start	2381	End	2674
GI	none	Score	213
Exons	2381..2674, 2390..2662		
Seq. No.	30410	Seq. ID	OJ990419_12.9923.C11
Gene No.	62864	Strand	-
Start	2011	End	2709
Name	OJ990419_12.9923.C11.o1.tw	Method	TBLASTX:Wheat
Start	2495	End	2671
GI	none	Score	132
Exons	2495..2671, 2495..2665		
Seq. No.	30411	Seq. ID	OJ990419_12.9923.C12
Gene No.	62865	Strand	+
Start	3729	End	3983
Name	OJ990419_12.9923.C12.o1.gp	Method	AAT/GAP
Start	3729	End	3983
GI	61605_3.R1084	Score	414
Exons	3729..3983		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	30411	Seq. ID	OJ990419_12.9923.C12
Gene No.	62866	Strand	-
Start	4350	End	6076
Name	OJ990419_12.9923.C12.o1.np	Method	AAT/NAP
Start	4350	End	6076
GI	6063554	Score	301
Exons	4350..4523, 5159..5190, 5845..6076		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	30411	Seq. ID	OJ990419_12.9923.C12
Gene No.	62867	Strand	-
Start	7200	End	7524
Name	OJ990419_12.9923.C12.o2.gs	Method	GENSCAN
Start	7200	End	7524
GI	none	Score	.88
Exons	7200..7524		
Seq. No.	30412	Seq. ID	OJ990419_12.9923.C13
Gene No.	62868	Strand	+
Start	3852	End	4107
Name	OJ990419_12.9923.C13.o1.gp	Method	AAT/GAP
Start	3852	End	4107
GI	2428185	Score	451
Exons	3852..4107		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	30412	Seq. ID	OJ990419_12.9923.C13
Gene No.	62869	Strand	-
Start	297	End	3329
Name	OJ990419_12.9923.C13.o1.gs	Method	GENSCAN
Start	297	End	3329
GI	none	Score	.42
Exons	297..417, 456..733, 2579..2692, 3006..3329		

Seq. No.	30412	Seq. ID	OJ990419_12.9923.C13
Gene No.	62869	Strand	-
Start	297	End	3329
Name	OJ990419_12.9923.C13.o1.np	Method	AAT/NAP
Start	679	End	2129
GI	6907088	Score	1066
Exons	679..1076, 1579..1816, 1992..2129		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	30413	Seq. ID	OJ990419_12.9923.C14
Gene No.	62870	Strand	+
Start	2476	End	11796
Name	OJ990419_12.9923.C14.o1.gs	Method	GENSCAN
Start	2476	End	11796
GI	none	Score	.52
Exons	2476..2648, 2717..2766, 3184..3270, 4381..4488, 4643..4859, 5284..5465, 5627..5809, 5857..5957, 9003..9154, 9709..9903, 11049..11244, 11769..11796		

Seq. No.	30413	Seq. ID	OJ990419_12.9923.C14
Gene No.	62870	Strand	+
Start	2476	End	11796
Name	OJ990419_12.9923.C14.o1.np	Method	AAT/NAP
Start	3679	End	5869
GI	5042454	Score	263
Exons	3679..3704, 5501..5869		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	30413	Seq. ID	OJ990419_12.9923.C14
Gene No.	62870	Strand	+
Start	2476	End	11796
Name	OJ990419_12.9923.C14.o2.np	Method	AAT/NAP
Start	6701	End	10353
GI	6815109	Score	160
Exons	6701..6733, 7769..7999, 10328..10353		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	30413	Seq. ID	OJ990419_12.9923.C14
Gene No.	62870	Strand	+
Start	2476	End	11796
Name	OJ990419_12.9923.C14.o2.gp	Method	AAT/GAP
Start	11096	End	11645
GI	none	Score	1028
Exons	11096..11645		

Seq. No.	30413	Seq. ID	OJ990419_12.9923.C14
Gene No.	62871	Strand	-
Start	368	End	656
Name	OJ990419_12.9923.C14.o1.gp	Method	AAT/GAP

Start	368	End	656
GI	61605_3.R1084	Score	416
Exons	368..656		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	30414	Seq. ID	OJ990419_12.9923.C16
Gene No.	62872	Strand	+
Start	2395	End	4541
Name	OJ990419_12.9923.C16.o1.gs	Method	GENSCAN
Start	2395	End	4541
GI	none	Score	.8
Exons	2395..2507, 3296..3337, 3990..4135, 4243..4541		

Seq. No.	30414	Seq. ID	OJ990419_12.9923.C16
Gene No.	62873	Strand	+
Start	4450	End	4931
Name	OJ990419_12.9923.C16.o1.gp	Method	AAT/GAP
Start	4450	End	4931
GI	none	Score	952
Exons	4450..4931		

Seq. No.	30414	Seq. ID	OJ990419_12.9923.C16
Gene No.	62874	Strand	-
Start	4753	End	5405
Name	OJ990419_12.9923.C16.o2.gs	Method	GENSCAN
Start	4753	End	5298
GI	none	Score	.98
Exons	4753..4929, 5022..5081, 5218..5298		

Seq. No.	30414	Seq. ID	OJ990419_12.9923.C16
Gene No.	62874	Strand	-
Start	4753	End	5405
Name	OJ990419_12.9923.C16.o2.gp	Method	AAT/GAP
Start	5060	End	5405
GI	18310_1.R1084	Score	211
Exons	5060..5081, 5218..5298, 5373..5405		
GI Descrip.	'2213583 3.0e-51 (AC000348) T7N9.3 [Arabidopsis thaliana]'		

Seq. No.	30415	Seq. ID	OJ990419_12.9923.C17
Gene No.	62875	Strand	-
Start	1	End	2046
Name	OJ990419_12.9923.C17.o1.np	Method	AAT/NAP
Start	1	End	1845
GI	2947068	Score	141
Exons	1..31, 305..399, 489..590, 1194..1260, 1747..1845		
GI Descrip.	(AC002521) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30415	Seq. ID	OJ990419_12.9923.C17
Gene No.	62875	Strand	-
Start	1	End	2046
Name	OJ990419_12.9923.C17.o1.tm	Method	TBLASTX:Maize
Start	307	End	2046
GI	none	Score	130
Exons	307..399, 308..400, 487..591, 488..592, 489..575, 489..593, 490..591, 1194..1271, 1194..1265, 1743..1829, 1744..1827, 1746..1829, 1969..2040, 1972..2046		

Seq. No.	30415	Seq. ID	OJ990419_12.9923.C17
Gene No.	62875	Strand	-
Start	1	End	2046
Name	OJ990419_12.9923.C17.o1.gp	Method	AAT/GAP
Start	308	End	2042
GI	18310 1.R1084	Score	715
Exons	308..399, 489..590, 1194..1264, 1745..1826, 1972..2042		
GI Descrip.	'2213583 3.0e-51 (AC000348) T7N9.3 [Arabidopsis thaliana]'		

Seq. No.	30415	Seq. ID	OJ990419_12.9923.C17
Gene No.	62875	Strand	-
Start	1	End	2046
Name	OJ990419_12.9923.C17.o1.gs	Method	GENSCAN
Start	310	End	2040
GI	none	Score	.7
Exons	310..399, 489..603, 1194..1264, 1972..2040		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62876	Strand	+
Start	946	End	20801
Name	OJ990419_12.9923.C18.o1.np	Method	AAT/NAP
Start	946	End	15897
GI	5734709	Score	222
Exons	946..995, 2632..2721, 2989..3051, 4125..4524, 9015..9252, 15856..15897		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62876	Strand	+
Start	946	End	20801
Name	OJ990419_12.9923.C18.o3.gs	Method	GENSCAN
Start	4243	End	8310
GI	none	Score	.79
Exons	4243..4647, 5328..5467, 6120..6474, 7052..7300, 7640..7765, 8119..8310		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62876	Strand	+
Start	946	End	20801
Name	OJ990419_12.9923.C18.o2.gp	Method	AAT/GAP
Start	5353	End	6502
GI	none	Score	840
Exons	5353..5467, 6120..6502		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62876	Strand	+
Start	946	End	20801
Name	OJ990419_12.9923.C18.o3.gp	Method	AAT/GAP
Start	6582	End	6685
GI	LIB3477-003-P1-K1-E9	Score	129
Exons	6582..6685		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62876	Strand	+
Start	946	End	20801
Name	OJ990419_12.9923.C18.o4.gp	Method	AAT/GAP
Start	8269	End	8697
GI	4715863	Score	831
Exons	8269..8697		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62876	Strand	+
Start	946	End	20801
Name	OJ990419_12.9923.C18.o5.gp	Method	AAT/GAP
Start	9024	End	9473
GI	2800165	Score	747
Exons	9024..9473		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62876	Strand	+
Start	946	End	20801
Name	OJ990419_12.9923.C18.o4.gs	Method	GENSCAN
Start	9068	End	11879
GI	none	Score	.86
Exons	9068..9487, 10492..10587, 10658..10771, 11410..11478, 11615..11689, 11790..11879		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62876	Strand	+
Start	946	End	20801
Name	OJ990419_12.9923.C18.o2.np	Method	AAT/NAP
Start	9074	End	19559
GI	6721520	Score	1536
Exons	9074..9181, 9215..9288, 15908..16137, 16205..16370, 16898..17432, 17591..17694, 17819..18061, 18656..19559		
GI Descrip.	(AP001072) EST AU029428(E30359) corresponds to a region of the predicted gene.; Similar to antifreeze-like protein (D86598) [Oryza sativa]		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62876	Strand	+
Start	946	End	20801
Name	OJ990419_12.9923.C18.o6.gp	Method	AAT/GAP
Start	10534	End	12095
GI	12582_1.R1084	Score	1052
Exons	10534..10587, 10658..10771, 11410..11478, 11615..11689, 11790..12095		
GI Descrip.	'1483177/dbj|BAA13135| 3.0e-24 (D86598) antifreeze-like protein (af70) [Picea abies]'		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62876	Strand	+
Start	946	End	20801
Name	OJ990419_12.9923.C18.o7.gp	Method	AAT/GAP
Start	14353	End	16019
GI	5607469	Score	700
Exons	14353..14639, 15939..16019		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18

Gene No.	62876	Strand	+
Start	946	End	20801
Name	OJ990419_12.9923.C18.o6.gs	Method	GENSCAN
Start	14428	End	20801
GI	none	Score	.97
Exons	14428..14639, 15939..16370, 16898..17432, 17591..17694, 17816..18061, 18656..19533, 19756..19866, 20629..20801		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62876	Strand	+
Start	946	End	20801
Name	OJ990419_12.9923.C18.o8.gp	Method	AAT/GAP
Start	17932	End	18914
GI	5607470	Score	758
Exons	17932..18061, 18656..18914		
GI Descrip.	1483177/dbj|BAA13135| 3.0e-24 (D86598) antifreeze-like protein (af70) [Picea abies]		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62877	Strand	+
Start	29126	End	29188
Name	OJ990419_12.9923.C18.o8.gs	Method	GENSCAN
Start	29126	End	29188
GI	none	Score	.62
Exons	29126..29188		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62878	Strand	-
Start	1	End	1299
Name	OJ990419_12.9923.C18.o1.gp	Method	AAT/GAP
Start	1	End	1057
GI	18310_1.R1084	Score	607
Exons	1..73, 219..287, 696..757, 901..1057		
GI Descrip.	'2213583 3.0e-51 (AC000348) T7N9.3 [Arabidopsis thaliana]'		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62878	Strand	-
Start	1	End	1299
Name	OJ990419_12.9923.C18.o1.gs	Method	GENSCAN
Start	219	End	1299
GI	none	Score	.58
Exons	219..287, 696..833, 1138..1299		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62879	Strand	-
Start	2704	End	3196
Name	OJ990419_12.9923.C18.o2.gs	Method	GENSCAN
Start	2704	End	3196
GI	none	Score	.99
Exons	2704..2809, 2870..2905, 3102..3196		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62880	Strand	-
Start	12714	End	13133
Name	OJ990419_12.9923.C18.o5.gs	Method	GENSCAN
Start	12714	End	13133
GI	none	Score	.55

Exons	12714..13133		
Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o7.tm	Method	TBLASTX:Maize
Start	4320	End	4518
GI	none	Score	215
Exons	4320..4517, 4327..4518		
Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o3.tc	Method	TBLASTX:Cress
Start	5315	End	6336
GI	none	Score	175
Exons	5315..5473, 5316..5474, 6112..6336, 6144..6335		
Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o4.ts	Method	TBLASTX:Soybean
Start	6403	End	8301
GI	none	Score	78
Exons	6403..6471, 7063..7305, 7070..7303, 7221..7304, 7676..7765, 8116..8301, 8154..8276		
Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o6.tm	Method	TBLASTX:Maize
Start	8115	End	8280
GI	none	Score	202
Exons	8115..8279, 8115..8279, 8116..8280, 8116..8280		
Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o3.ts	Method	TBLASTX:Soybean
Start	9251	End	10107
GI	none	Score	247
Exons	9251..9487, 9307..9507, 10057..10107, 10058..10105		
Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o8.tm	Method	TBLASTX:Maize
Start	9320	End	9507
GI	none	Score	201
Exons	9320..9448, 9326..9487, 9328..9507		
Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o4.tm	Method	TBLASTX:Maize
Start	10327	End	10786
GI	none	Score	63

Exons	10327..10368, 10327..10377, 10478..10588, 10480..10593, 10491..10586, 10655..10723, 10657..10728, 10657..10722, 10719..10772, 10727..10786, 10733..10786		
Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o2.ts	Method	TBLASTX:Soybean
Start	15952	End	19555
GI	none	Score	173
Exons	15952..16143, 15975..16142, 16230..16367, 16231..16386, 16896..16922, 16977..17129, 16979..17044, 17129..17314, 17130..17315, 17285..17416, 17286..17417, 17591..17695, 17778..18065, 18696..18827, 18701..18826, 18845..19057, 18846..18884, 18942..19202, 19227..19289, 19235..19270, 19305..19457, 19376..19456, 19482..19553, 19487..19555		
Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o5.tm	Method	TBLASTX:Maize
Start	15955	End	16371
GI	none	Score	74
Exons	15955..16149, 16230..16367, 16231..16371		
Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o2.tc	Method	TBLASTX:Cress
Start	15973	End	19553
GI	none	Score	75
Exons	15973..16110, 16041..16109, 16230..16370, 16231..16371, 16896..16940, 16958..17041, 16971..17207, 17229..17447, 17240..17410, 17820..17993, 18701..18814, 18702..18812, 18834..18884, 18942..19001, 19020..19175, 19494..19553		
Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o2.tm	Method	TBLASTX:Maize
Start	16944	End	17422
GI	none	Score	540
Exons	16944..17420, 16952..17047, 17093..17422		
Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o4.tw	Method	TBLASTX:Wheat
Start	17124	End	17423
GI	none	Score	47
Exons	17124..17240, 17126..17206, 17225..17410, 17226..17423		
Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o4.np	Method	AAT/NAP
Start	17644	End	29203

GI	5734709	Score	566
Exons	17644..17776, 24468..25362, 25683..25895, 26463..26611, 26740..26820, 26928..27281, 28956..29203		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o9.tm	Method	TBLASTX:Maize
Start	18704	End	19022
GI	none	Score	152
Exons	18704..18811, 18705..18812, 18857..18943, 18857..18979, 18942..19022		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o2.tw	Method	TBLASTX:Wheat
Start	19068	End	19436
GI	none	Score	134
Exons	19068..19178, 19080..19097, 19121..19168, 19227..19283, 19235..19279, 19287..19436, 19287..19436		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o3.tm	Method	TBLASTX:Maize
Start	19068	End	19558
GI	none	Score	151
Exons	19068..19208, 19080..19097, 19218..19280, 19235..19279, 19287..19457, 19376..19480, 19466..19558, 19470..19553		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o7.gs	Method	GENSCAN
Start	23728	End	27346
GI	none	Score	.66
Exons	23728..23820, 24623..25536, 25695..25781, 26470..27346		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o3.np	Method	AAT/NAP
Start	24338	End	27403
GI	4966347	Score	846
Exons	24338..25539, 25701..25781, 26470..26756, 26853..27403		
GI Descrip.	(AC006341) Similar to gb|AJ012423 wall-associated kinase 2, from Arabidopsis thaliana.		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o9.gp	Method	AAT/GAP
Start	24480	End	24944
GI	LIB3432-015-P1-K1-G6	Score	870

Exons	24480..24944		
GI Descrip.	'4826399/emb|CAB42872.1| 2.0e-33 (AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]'		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o1.tc	Method	TBLASTX:Cress
Start	24503	End	27307
GI	none	Score	97
Exons	24503..24613, 24704..24952, 24704..25036, 24813..25031, 25055..25354, 25065..25256, 25065..25367, 25385..25456, 26471..26533, 27236..27307		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o1.tm	Method	TBLASTX:Maize
Start	24509	End	25447
GI	none	Score	123
Exons	24509..24622, 24707..24964, 24707..25033, 24813..25028, 25049..25354, 25071..25259, 25385..25447		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o1.ts	Method	TBLASTX:Soybean
Start	24650	End	25453
GI	none	Score	96
Exons	24650..25036, 24719..25030, 24876..25031, 25037..25213, 25059..25223, 25202..25354, 25385..25453		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o3.tw	Method	TBLASTX:Wheat
Start	24713	End	24979
GI	none	Score	71
Exons	24713..24847, 24716..24853, 24860..24979		

Seq. No.	30416	Seq. ID	OJ990419_12.9923.C18
Gene No.	62881	Strand	-
Start	17644	End	29203
Name	OJ990419_12.9923.C18.o1.tw	Method	TBLASTX:Wheat
Start	24981	End	25398
GI	none	Score	39
Exons	24981..25031, 25043..25369, 25048..25206, 25071..25244, 25228..25398		

Seq. No.	30417	Seq. ID	OJ990419_12.9923.C19
Gene No.	62882	Strand	+
Start	1	End	2814
Name	OJ990419_12.9923.C19.o1.gp	Method	AAT/GAP
Start	1	End	1550
GI	uC-osf1M202053d07b1	Score	692
Exons	1..115, 848..899, 1006..1065, 1145..1169, 1272..1357, 1449..1550		
GI Descrip.	'4585981/gb|AAD25617.1|AC005287_19 8.0e-17 (AC005287) similar to		

Na+/H+-exchanging proteins [Arabidopsis thaliana]'

Seq. No.	30417	Seq. ID	OJ990419_12.9923.C19
Gene No.	62882	Strand	+
Start	1	End	2814
Name	OJ990419_12.9923.C19.o1.np	Method	AAT/NAP
Start	1	End	2814
GI	4585981	Score	363
Exons	1..115, 848..1077, 1149..1355, 1449..1607, 1633..1730, 1876..1995, 2638..2814		
GI Descrip.	(AC005287) similar to Na+/H+-exchanging proteins [Arabidopsis thaliana]		

Seq. No.	30417	Seq. ID	OJ990419_12.9923.C19
Gene No.	62882	Strand	+
Start	1	End	2814
Name	OJ990419_12.9923.C19.o1.gs	Method	GENSCAN
Start	134	End	250
GI	none	Score	.84
Exons	134..250		

Seq. No.	30417	Seq. ID	OJ990419_12.9923.C19
Gene No.	62882	Strand	+
Start	1	End	2814
Name	OJ990419_12.9923.C19.o1.tc	Method	TBLASTX:Cress
Start	852	End	1716
GI	none	Score	35
Exons	852..899, 1004..1063, 1146..1169, 1272..1358, 1274..1360, 1449..1562, 1450..1560, 1617..1700, 1630..1710, 1636..1716		

Seq. No.	30417	Seq. ID	OJ990419_12.9923.C19
Gene No.	62882	Strand	+
Start	1	End	2814
Name	OJ990419_12.9923.C19.o1.tm	Method	TBLASTX:Maize
Start	1112	End	1820
GI	none	Score	74
Exons	1112..1168, 1113..1169, 1122..1172, 1267..1356, 1271..1357, 1272..1358, 1450..1560, 1450..1560, 1455..1571, 1455..1562, 1632..1703, 1636..1716, 1638..1703, 1800..1820		

Seq. No.	30417	Seq. ID	OJ990419_12.9923.C19
Gene No.	62882	Strand	+
Start	1	End	2814
Name	OJ990419_12.9923.C19.o1.ts	Method	TBLASTX:Soybean
Start	1272	End	2190
GI	none	Score	134
Exons	1272..1358, 1274..1357, 1450..1560, 1455..1562, 1632..1700, 1636..1716, 1638..1700, 1887..1997, 1898..1996, 2158..2190		

Seq. No.	30418	Seq. ID	OJ990419_12.9923.C20
Gene No.	62883	Strand	+
Start	1	End	890
Name	OJ990419_12.9923.C20.o1.np	Method	AAT/NAP
Start	1	End	890
GI	4585981	Score	325
Exons	1..33, 79..176, 245..301, 596..693, 777..890		
GI Descrip.	(AC005287) similar to Na+/H+-exchanging proteins [Arabidopsis		

thaliana]

Seq. No.	30418	Seq. ID	OJ990419_12.9923.C20
Gene No.	62883	Strand	+
Start	1	End	890
Name	OJ990419_12.9923.C20.o1.gs	Method	GENSCAN
Start	49	End	886
GI	none	Score	.51
Exons	49..176, 596..693, 777..886		

Seq. No.	30418	Seq. ID	OJ990419_12.9923.C20
Gene No.	62883	Strand	+
Start	1	End	890
Name	OJ990419_12.9923.C20.o1.tm	Method	TBLASTX:Maize
Start	67	End	889
GI	none	Score	125
Exons	67..177, 245..316, 246..323, 246..323, 247..324, 593..694, 594..698, 594..695, 775..888, 776..889		

Seq. No.	30418	Seq. ID	OJ990419_12.9923.C20
Gene No.	62883	Strand	+
Start	1	End	890
Name	OJ990419_12.9923.C20.o1.ts	Method	TBLASTX:Soybean
Start	594	End	859
GI	none	Score	129
Exons	594..713, 597..698, 775..858, 776..859		

Seq. No.	30419	Seq. ID	OJ990419_12.9923.C21
Gene No.	62884	Strand	+
Start	1	End	1864
Name	OJ990419_12.9923.C21.o1.np	Method	AAT/NAP
Start	1	End	1464
GI	6907088	Score	193
Exons	1..137, 1065..1464		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	30419	Seq. ID	OJ990419_12.9923.C21
Gene No.	62884	Strand	+
Start	1	End	1864
Name	OJ990419_12.9923.C21.o2.np	Method	AAT/NAP
Start	1	End	1864
GI	6069653	Score	328
Exons	1..33, 974..1864		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	30420	Seq. ID	OJ990419_12.9923.C22
Gene No.	62885	Strand	+
Start	1	End	528
Name	OJ990419_12.9923.C22.o1.np	Method	AAT/NAP
Start	1	End	528
GI	1825626	Score	91
Exons	1..413, 461..528		
GI Descrip.	(U88170) No definition line found [Caenorhabditis elegans]		

Seq. No.	30420	Seq. ID	OJ990419_12.9923.C22
Gene No.	62885	Strand	+
Start	1	End	528

Name	OJ990419_12.9923.C22.o1.gs	Method	GENSCAN
Start	57	End	189
GI	none	Score	.69
Exons	57..189		

Seq. No.	30421	Seq. ID	OJ990419_12.9923.C23
Gene No.	62886	Strand	+
Start	173	End	246
Name	OJ990419_12.9923.C23.o1.gs	Method	GENSCAN
Start	173	End	246
GI	none	Score	1
Exons	173..246		

Seq. No.	30421	Seq. ID	OJ990419_12.9923.C23
Gene No.	62887	Strand	-
Start	471	End	559
Name	OJ990419_12.9923.C23.o2.gs	Method	GENSCAN
Start	471	End	559
GI	none	Score	.95
Exons	471..559		

Seq. No.	30422	Seq. ID	OJ990419_12.9923.C24
Gene No.	62888	Strand	+
Start	422	End	777
Name	OJ990419_12.9923.C24.o1.np	Method	AAT/NAP
Start	422	End	777
GI	103076	Score	127
Exons	422..530, 572..777		
GI Descrip.	Bkm-like sex-determining region hypothetical protein CS314 - fruit fly (Drosophila melanogaster) (fragment)		

Seq. No.	30422	Seq. ID	OJ990419_12.9923.C24
Gene No.	62889	Strand	+
Start	1027	End	1319
Name	OJ990419_12.9923.C24.o1.gs	Method	GENSCAN
Start	1027	End	1319
GI	none	Score	.96
Exons	1027..1319		

Seq. No.	30423	Seq. ID	OJ990419_12.9923.C25
Gene No.	62890	Strand	+
Start	794	End	1197
Name	OJ990419_12.9923.C25.o2.np	Method	AAT/NAP
Start	794	End	1197
GI	6721561	Score	128
Exons	794..884, 1147..1197		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30423	Seq. ID	OJ990419_12.9923.C25
Gene No.	62891	Strand	-
Start	672	End	761
Name	OJ990419_12.9923.C25.o1.np	Method	AAT/NAP
Start	672	End	761

GI	4680183	Score	133
Exons	672..761		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62892	Strand	+
Start	941	End	2072
Name	OJ990419_12.9923.C26.o1.gs	Method	GENSCAN
Start	941	End	2072
GI	none	Score	.77
Exons	941..952, 1161..2072		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62892	Strand	+
Start	941	End	2072
Name	OJ990419_12.9923.C26.o2.np	Method	AAT/NAP
Start	1227	End	2069
GI	5042448	Score	1233
Exons	1227..2069		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62893	Strand	+
Start	2323	End	6886
Name	OJ990419_12.9923.C26.o3.np	Method	AAT/NAP
Start	2323	End	6886
GI	4680179	Score	7726
Exons	2323..6886		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62894	Strand	-
Start	1	End	4341
Name	OJ990419_12.9923.C26.o1.np	Method	AAT/NAP
Start	1	End	4341
GI	4680183	Score	57
Exons	1..41, 381..453, 4313..4341		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62895	Strand	-
Start	7730	End	8722
Name	OJ990419_12.9923.C26.o7.tw	Method	TBLASTX:Wheat
Start	2590	End	2949
GI	none	Score	298
Exons	2590..2949, 2616..2690, 2715..2948		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62895	Strand	-
Start	7730	End	8722
Name	OJ990419_12.9923.C26.o6.tm	Method	TBLASTX:Maize
Start	2830	End	3162
GI	none	Score	211
Exons	2830..3162, 2830..3114, 2847..3017		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26

Gene No.	62895	Strand	-
Start	7730	End	8722
Name	OJ990419_12.9923.C26.o8.tw	Method	TBLASTX:Wheat
Start	3469	End	3885
GI	none	Score	152
Exons	3469..3678, 3519..3617, 3678..3884, 3700..3885, 3729..3884		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62895	Strand	-
Start	7730	End	8722
Name	OJ990419_12.9923.C26.o4.tw	Method	TBLASTX:Wheat
Start	4048	End	4530
GI	none	Score	545
Exons	4048..4530, 4152..4487, 4159..4521		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62895	Strand	-
Start	7730	End	8722
Name	OJ990419_12.9923.C26.o5.tm	Method	TBLASTX:Maize
Start	4060	End	4349
GI	none	Score	319
Exons	4060..4347, 4158..4349		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62895	Strand	-
Start	7730	End	8722
Name	OJ990419_12.9923.C26.o3.tm	Method	TBLASTX:Maize
Start	4417	End	4917
GI	none	Score	161
Exons	4417..4596, 4582..4917, 4668..4799, 4824..4874		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62895	Strand	-
Start	7730	End	8722
Name	OJ990419_12.9923.C26.o1.ts	Method	TBLASTX:Soybean
Start	4471	End	4866
GI	none	Score	57
Exons	4471..4503, 4471..4515, 4507..4866, 4507..4587, 4602..4865		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62895	Strand	-
Start	7730	End	8722
Name	OJ990419_12.9923.C26.o6.tw	Method	TBLASTX:Wheat
Start	4579	End	4881
GI	none	Score	396
Exons	4579..4881, 4599..4880		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62895	Strand	-
Start	7730	End	8722
Name	OJ990419_12.9923.C26.o2.tw	Method	TBLASTX:Wheat
Start	4882	End	5391
GI	none	Score	635
Exons	4882..5391, 4914..5303, 4960..5307		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62895	Strand	-

Start	7730	End	8722
Name	OJ990419_12.9923.C26.o3.ts	Method	TBLASTX:Soybean
Start	4888	End	5133
GI	none	Score	202
Exons	4888..5133		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62895	Strand	-
Start	7730	End	8722
Name	OJ990419_12.9923.C26.o2.tm	Method	TBLASTX:Maize
Start	4954	End	5319
GI	none	Score	484
Exons	4954..5307, 4956..5303, 5008..5319		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62895	Strand	-
Start	7730	End	8722
Name	OJ990419_12.9923.C26.o3.tw	Method	TBLASTX:Wheat
Start	5395	End	5874
GI	none	Score	581
Exons	5395..5874, 5428..5841, 5619..5873		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62895	Strand	-
Start	7730	End	8722
Name	OJ990419_12.9923.C26.o1.tc	Method	TBLASTX:Cress
Start	5581	End	5898
GI	none	Score	89
Exons	5581..5754, 5755..5898, 5757..5897		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62895	Strand	-
Start	7730	End	8722
Name	OJ990419_12.9923.C26.o2.ts	Method	TBLASTX:Soybean
Start	5662	End	5922
GI	none	Score	299
Exons	5662..5922, 5667..5921		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62895	Strand	-
Start	7730	End	8722
Name	OJ990419_12.9923.C26.o4.tm	Method	TBLASTX:Maize
Start	5721	End	6012
GI	none	Score	390
Exons	5721..6008, 5722..6012		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62895	Strand	-
Start	7730	End	8722
Name	OJ990419_12.9923.C26.o1.tw	Method	TBLASTX:Wheat
Start	5881	End	6480
GI	none	Score	681
Exons	5881..6480, 5883..6479		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62895	Strand	-
Start	7730	End	8722

Name	OJ990419_12.9923.C26.o1.tm	Method	TBLASTX:Maize
Start	6061	End	6661
GI	none	Score	226
Exons	6061..6222, 6069..6215, 6220..6477, 6222..6476, 6475..6648, 6476..6661		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62895	Strand	-
Start	7730	End	8722
Name	OJ990419_12.9923.C26.o5.tw	Method	TBLASTX:Wheat
Start	6482	End	6876
GI	none	Score	410
Exons	6482..6841, 6484..6561, 6536..6616, 6601..6717, 6659..6820, 6823..6876		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62895	Strand	-
Start	7730	End	8722
Name	OJ990419_12.9923.C26.o7.tm	Method	TBLASTX:Maize
Start	6665	End	6862
GI	none	Score	197
Exons	6665..6862		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62895	Strand	-
Start	7730	End	8722
Name	OJ990419_12.9923.C26.o3.gs	Method	GENSCAN
Start	7730	End	8722
GI	none	Score	.99
Exons	7730..7856, 8601..8722		

Seq. No.	30424	Seq. ID	OJ990419_12.9923.C26
Gene No.	62895	Strand	-
Start	7730	End	8722
Name	OJ990419_12.9923.C26.o4.np	Method	AAT/NAP
Start	8145	End	8312
GI	4680183	Score	50
Exons	8145..8312		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	30425	Seq. ID	OJ990419_12.9923.C27
Gene No.	62896	Strand	+
Start	492	End	572
Name	OJ990419_12.9923.C27.o1.gs	Method	GENSCAN
Start	492	End	572
GI	none	Score	.55
Exons	492..572		

Seq. No.	30425	Seq. ID	OJ990419_12.9923.C27
Gene No.	62897	Strand	-
Start	265	End	2041
Name	OJ990419_12.9923.C27.o1.np	Method	AAT/NAP
Start	265	End	2041
GI	4680186	Score	331
Exons	265..367, 1035..1330, 1837..2041		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	30426	Seq. ID	OJ990419_12.9923.C28
Gene No.	62898	Strand	-
Start	1	End	225
Name	OJ990419_12.9923.C28.o1.np	Method	AAT/NAP
Start	1	End	225
GI	4680186	Score	159
Exons	1..225		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	30426	Seq. ID	OJ990419_12.9923.C28
Gene No.	62899	Strand	-
Start	141	End	1862
Name	OJ990419_12.9923.C28.o1.gs	Method	GENSCAN
Start	141	End	1862
GI	none	Score	.47
Exons	141..232, 329..687, 721..886, 1727..1862		

Seq. No.	30426	Seq. ID	OJ990419_12.9923.C28
Gene No.	62899	Strand	-
Start	141	End	1862
Name	OJ990419_12.9923.C28.o2.np	Method	AAT/NAP
Start	295	End	1188
GI	6907086	Score	465
Exons	295..1188		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	30427	Seq. ID	OJ990419_12.9923.C30
Gene No.	62900	Strand	+
Start	1	End	3161
Name	OJ990419_12.9923.C30.o1.np	Method	AAT/NAP
Start	1	End	1639
GI	417154	Score	2570
Exons	1..1639		
GI Descrip.	HEAT SHOCK PROTEIN 82 gi|100685|pir||S25541 heat shock protein 82 - rice (strain Taichung Native One) gi|20256|emb|CAA77978| (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]		

Seq. No.	30427	Seq. ID	OJ990419_12.9923.C30
Gene No.	62900	Strand	+
Start	1	End	3161
Name	OJ990419_12.9923.C30.o1.gp	Method	AAT/GAP
Start	89	End	1197
GI	438_1.R1084	Score	2094
Exons	89..1197		
GI Descrip.	'417154/sp|P33126|HS82_ORYSA 1.0e-172 HEAT SHOCK PROTEIN 82 >gi_100685_pir__S25541 heat shock protein 82 - rice (strain Taichung Native One) >gi_20256_emb_CAA77978_ (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]'		

Seq. No.	30427	Seq. ID	OJ990419_12.9923.C30
Gene No.	62900	Strand	+
Start	1	End	3161
Name	OJ990419_12.9923.C30.o1.gs	Method	GENSCAN
Start	92	End	3161
GI	none	Score	.73
Exons	92..1633, 2469..2580, 2671..3161		

Seq. No.	30427	Seq. ID	OJ990419_12.9923.C30
Gene No.	62900	Strand	+
Start	1	End	3161
Name	OJ990419_12.9923.C30.o2.gp	Method	AAT/GAP
Start	1208	End	1763
GI	269_10.R1084	Score	699
Exons	1208..1763		
GI Descrip.	'547683/sp|P36181|HS80_LYCES 1.0e-50 HEAT SHOCK COGNATE PROTEIN 80 >gi_170456 (M96549) heat shock cognate protein 80 [Solanum lycopersicum] >gi_445601_prf__1909348A heat shock protein hsp80 [Lycopersicon esculentum]'		

Seq. No.	30427	Seq. ID	OJ990419_12.9923.C30
Gene No.	62900	Strand	+
Start	1	End	3161
Name	OJ990419_12.9923.C30.o4.gp	Method	AAT/GAP
Start	2776	End	3126
GI	1632690	Score	653
Exons	2776..3126		

Seq. No.	30427	Seq. ID	OJ990419_12.9923.C30
Gene No.	62900	Strand	+
Start	1	End	3161
Name	OJ990419_12.9923.C30.o2.np	Method	AAT/NAP
Start	2865	End	3089
GI	2253578	Score	114
Exons	2865..3089		
GI Descrip.	(U78721) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30427	Seq. ID	OJ990419_12.9923.C30
Gene No.	62901	Strand	+
Start	3212	End	3314
Name	OJ990419_12.9923.C30.o5.gp	Method	AAT/GAP
Start	3212	End	3314
GI	none	Score	202
Exons	3212..3314		

Seq. No.	30427	Seq. ID	OJ990419_12.9923.C30
Gene No.	62902	Strand	-
Start	1373	End	1859
Name	OJ990419_12.9923.C30.o1.tm	Method	TBLASTX:Maize
Start	88	End	1648
GI	none	Score	154
Exons	88..204, 90..215, 298..531, 308..535, 319..525, 473..736, 523..963, 524..1648, 525..851, 784..1095, 1005..1274, 1193..1642		

Seq. No.	30427	Seq. ID	OJ990419_12.9923.C30
Gene No.	62902	Strand	-
Start	1373	End	1859
Name	OJ990419_12.9923.C30.o1.tc	Method	TBLASTX:Cress
Start	89	End	1642
GI	none	Score	142
Exons	89..172, 89..181, 90..212, 94..207, 298..966, 308..1612, 309..656, 319..675, 717..842, 784..1095, 1020..1106, 1176..1274, 1193..1612, 1607..1642		

Seq. No.	30427	Seq. ID	OJ990419_12.9923.C30

Gene No.	62902	Strand	-
Start	1373	End	1859
Name	OJ990419_12.9923.C30.o2.tw	Method	TBLASTX:Wheat
Start	89	End	538
GI	none	Score	140
Exons	89..175, 89..187, 90..212, 94..204, 306..530, 306..530, 308..538, 319..531		

Seq. No.	30427	Seq. ID	OJ990419_12.9923.C30
Gene No.	62902	Strand	-
Start	1373	End	1859
Name	OJ990419_12.9923.C30.o1.ts	Method	TBLASTX:Soybean
Start	96	End	1642
GI	none	Score	113
Exons	96..209, 98..172, 100..207, 323..556, 329..532, 331..555, 571..639, 575..640, 647..736, 649..966, 650..1081, 717..842, 784..1074, 1022..1078, 1060..1095, 1061..1555, 1068..1103, 1176..1256, 1193..1555, 1601..1642		

Seq. No.	30427	Seq. ID	OJ990419_12.9923.C30
Gene No.	62902	Strand	-
Start	1373	End	1859
Name	OJ990419_12.9923.C30.o1.tw	Method	TBLASTX:Wheat
Start	617	End	1474
GI	none	Score	1284
Exons	617..1447, 617..736, 717..854, 784..1095, 1005..1106, 1173..1271, 1193..1432, 1243..1437, 1421..1474, 1439..1474		

Seq. No.	30427	Seq. ID	OJ990419_12.9923.C30
Gene No.	62902	Strand	-
Start	1373	End	1859
Name	OJ990419_12.9923.C30.o3.gp	Method	AAT/GAP
Start	1373	End	1859
GI	269_4.R1084	Score	754
Exons	1373..1859		
GI Descrip.	'425794/dbj|D21284|RICAD167 1.0e-154 Rice mRNA for heat shock protein 82 (gene name AD167), partial cds'		

Seq. No.	30428	Seq. ID	OJ990419_12.9923.C31
Gene No.	62903	Strand	+
Start	104	End	694
Name	OJ990419_12.9923.C31.o1.gp	Method	AAT/GAP
Start	104	End	694
GI	57046_1.R1084	Score	1096
Exons	104..694		
GI Descrip.	'2541876/dbj|BAA22813| 1.0e-26 (D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]'		

Seq. No.	30428	Seq. ID	OJ990419_12.9923.C31
Gene No.	62904	Strand	+
Start	703	End	1090
Name	OJ990419_12.9923.C31.o2.gp	Method	AAT/GAP
Start	703	End	1090
GI	50321_1.R1084	Score	742
Exons	703..1090		
GI Descrip.	'2541876/dbj|BAA22813| 1.0e-08 (D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]'		

Seq. No.	30428	Seq. ID	OJ990419_12.9923.C31
Gene No.	62905	Strand	-
Start	271	End	1540
Name	OJ990419_12.9923.C31.o1.tc	Method	TBLASTX:Cress
Start	250	End	1368
GI	none	Score	41
Exons	250..393, 278..373, 445..558, 461..541, 871..1068, 899..1066, 1069..1368, 1199..1321		

Seq. No.	30428	Seq. ID	OJ990419_12.9923.C31
Gene No.	62905	Strand	-
Start	271	End	1540
Name	OJ990419_12.9923.C31.o1.ts	Method	TBLASTX:Soybean
Start	265	End	1524
GI	none	Score	202
Exons	265..648, 269..571, 697..738, 727..1077, 899..1093, 1084..1182, 1186..1356, 1199..1330, 1357..1524		

Seq. No.	30428	Seq. ID	OJ990419_12.9923.C31
Gene No.	62905	Strand	-
Start	271	End	1540
Name	OJ990419_12.9923.C31.o1.gs	Method	GENSCAN
Start	271	End	1538
GI	none	Score	1
Exons	271..1538		

Seq. No.	30428	Seq. ID	OJ990419_12.9923.C31
Gene No.	62905	Strand	-
Start	271	End	1540
Name	OJ990419_12.9923.C31.o1.np	Method	AAT/NAP
Start	274	End	1538
GI	2541876	Score	873
Exons	274..1538		
GI Descrip.	(D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]		

Seq. No.	30428	Seq. ID	OJ990419_12.9923.C31
Gene No.	62905	Strand	-
Start	271	End	1540
Name	OJ990419_12.9923.C31.o2.tm	Method	TBLASTX:Maize
Start	277	End	520
GI	none	Score	141
Exons	277..420, 281..418, 416..520, 424..519		

Seq. No.	30428	Seq. ID	OJ990419_12.9923.C31
Gene No.	62905	Strand	-
Start	271	End	1540
Name	OJ990419_12.9923.C31.o1.tm	Method	TBLASTX:Maize
Start	697	End	1540
GI	none	Score	100
Exons	697..738, 730..1062, 878..1063, 1078..1335, 1199..1333, 1204..1377, 1368..1448, 1454..1540		

Seq. No.	30428	Seq. ID	OJ990419_12.9923.C31
Gene No.	62905	Strand	-
Start	271	End	1540

Name	OJ990419_12.9923.C31.o3.gp	Method	AAT/GAP
Start	1104	End	1540
GI	26292_1.R1084	Score	826
Exons	1104..1540		
GI Descrip.	'2541876/dbj|BAA22813| 2.0e-25 (D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]'		

Seq. No.	30429	Seq. ID	OJ990419_12.9923.C32
Gene No.	62906	Strand	-
Start	491	End	762
Name	OJ990419_12.9923.C32.o1.gp	Method	AAT/GAP
Start	491	End	762
GI	26292_1.R1084	Score	499
Exons	491..762		
GI Descrip.	'2541876/dbj|BAA22813| 2.0e-25 (D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]'		

Seq. No.	30429	Seq. ID	OJ990419_12.9923.C32
Gene No.	62907	Strand	-
Start	2548	End	2921
Name	OJ990419_12.9923.C32.o2.gs	Method	GENSCAN
Start	2548	End	2921
GI	none	Score	.57
Exons	2548..2619, 2850..2921		

Seq. No.	30430	Seq. ID	OJ990419_12.9923.C33
Gene No.	62908	Strand	+
Start	1	End	1276
Name	OJ990419_12.9923.C33.o1.np	Method	AAT/NAP
Start	1	End	1276
GI	4585981	Score	230
Exons	1..179, 263..381, 504..564, 1118..1276		
GI Descrip.	(AC005287) similar to Na+/H+-exchanging proteins [Arabidopsis thaliana]		

Seq. No.	30430	Seq. ID	OJ990419_12.9923.C33
Gene No.	62908	Strand	+
Start	1	End	1276
Name	OJ990419_12.9923.C33.o1.gs	Method	GENSCAN
Start	263	End	794
GI	none	Score	.79
Exons	263..372, 504..658, 776..794		

Seq. No.	30430	Seq. ID	OJ990419_12.9923.C33
Gene No.	62909	Strand	-
Start	1080	End	1176
Name	OJ990419_12.9923.C33.o1.tm	Method	TBLASTX:Maize
Start	79	End	590
GI	none	Score	129
Exons	79..180, 80..184, 261..374, 262..375, 498..590, 503..562		

Seq. No.	30430	Seq. ID	OJ990419_12.9923.C33
Gene No.	62909	Strand	-
Start	1080	End	1176
Name	OJ990419_12.9923.C33.o1.ts	Method	TBLASTX:Soybean
Start	80	End	345
GI	none	Score	129

Exons	80..199, 83..184, 261..344, 262..345		
Seq. No.	30430	Seq. ID	OJ990419_12.9923.C33
Gene No.	62909	Strand	-
Start	1080	End	1176
Name	OJ990419_12.9923.C33.o2.gs	Method	GENSCAN
Start	1080	End	1176
GI	none	Score	.77
Exons	1080..1176		
Seq. No.	30431	Seq. ID	OJ990419_12.9923.C34
Gene No.	62910	Strand	+
Start	649	End	1223
Name	OJ990419_12.9923.C34.o1.gs	Method	GENSCAN
Start	649	End	1223
GI	none	Score	.79
Exons	649..758, 983..1080, 1204..1223		
Seq. No.	30431	Seq. ID	OJ990419_12.9923.C34
Gene No.	62911	Strand	+
Start	3416	End	3656
Name	OJ990419_12.9923.C34.o1.gp	Method	AAT/GAP
Start	3416	End	3656
GI	438_2.R1084	Score	368
Exons	3416..3656		
GI Descrip.	'5123910/emb|CAA67191.1| 8.0e-15 (X98582) HSP80-2 [Triticum aestivum]'		
Seq. No.	30431	Seq. ID	OJ990419_12.9923.C34
Gene No.	62911	Strand	+
Start	3416	End	3656
Name	OJ990419_12.9923.C34.o2.np	Method	AAT/NAP
Start	3530	End	3655
GI	417154	Score	170
Exons	3530..3655		
GI Descrip.	HEAT SHOCK PROTEIN 82 gi|100685|pir||S25541 heat shock protein 82 - rice (strain Taichung Native One) gi|20256|emb|CAA77978| (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]		
Seq. No.	30431	Seq. ID	OJ990419_12.9923.C34
Gene No.	62912	Strand	-
Start	877	End	3799
Name	OJ990419_12.9923.C34.o1.np	Method	AAT/NAP
Start	877	End	3551
GI	4510387	Score	24
Exons	877..906, 2456..2533, 2734..2844, 3425..3551		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		
Seq. No.	30431	Seq. ID	OJ990419_12.9923.C34
Gene No.	62912	Strand	-
Start	877	End	3799
Name	OJ990419_12.9923.C34.o2.gs	Method	GENSCAN
Start	2097	End	2487
GI	none	Score	.65
Exons	2097..2285, 2299..2487		
Seq. No.	30431	Seq. ID	OJ990419_12.9923.C34

Gene No.	62912	Strand	-
Start	877	End	3799
Name	OJ990419_12.9923.C34.o3.gs	Method	GENSCAN
Start	3335	End	3799
GI	none	Score	.47
Exons	3335..3504, 3550..3799		

Seq. No.	30431	Seq. ID	OJ990419_12.9923.C34
Gene No.	62912	Strand	-
Start	877	End	3799
Name	OJ990419_12.9923.C34.o1.tm	Method	TBLASTX:Maize
Start	3416	End	3657
GI	none	Score	49
Exons	3416..3484, 3526..3654, 3527..3655, 3529..3657		

Seq. No.	30431	Seq. ID	OJ990419_12.9923.C34
Gene No.	62912	Strand	-
Start	877	End	3799
Name	OJ990419_12.9923.C34.o1.tc	Method	TBLASTX:Cress
Start	3524	End	3655
GI	none	Score	183
Exons	3524..3655, 3538..3654		

Seq. No.	30431	Seq. ID	OJ990419_12.9923.C34
Gene No.	62912	Strand	-
Start	877	End	3799
Name	OJ990419_12.9923.C34.o1.tw	Method	TBLASTX:Wheat
Start	3526	End	3657
GI	none	Score	203
Exons	3526..3654, 3527..3655, 3529..3657		

Seq. No.	30431	Seq. ID	OJ990419_12.9923.C34
Gene No.	62912	Strand	-
Start	877	End	3799
Name	OJ990419_12.9923.C34.o1.ts	Method	TBLASTX:Soybean
Start	3536	End	3657
GI	none	Score	187
Exons	3536..3655, 3538..3657, 3538..3654		

Seq. No.	30432	Seq. ID	OJ990419_12.9923.C35
Gene No.	62913	Strand	+
Start	1000	End	3138
Name	OJ990419_12.9923.C35.o1.gp	Method	AAT/GAP
Start	1000	End	2069
GI	438_2.R1084	Score	1085
Exons	1000..1241, 1641..2069		
GI Descrip.	'5123910/emb|CAA67191.1| 8.0e-15 (X98582) HSP80-2 [Triticum aestivum]'		

Seq. No.	30432	Seq. ID	OJ990419_12.9923.C35
Gene No.	62913	Strand	+
Start	1000	End	3138
Name	OJ990419_12.9923.C35.o1.tc	Method	TBLASTX:Cress
Start	1106	End	2072
GI	none	Score	186
Exons	1106..1240, 1107..1241, 1632..1913, 1641..2066, 1697..2059, 1974..2072		

Seq. No.	30432	Seq. ID	OJ990419_12.9923.C35
Gene No.	62913	Strand	+
Start	1000	End	3138
Name	OJ990419_12.9923.C35.o1.tm	Method	TBLASTX:Maize
Start	1106	End	2098
GI	none	Score	204
Exons	1106..1240, 1107..1241, 1115..1243, 1641..2066, 1644..1913, 1691..2098		

Seq. No.	30432	Seq. ID	OJ990419_12.9923.C35
Gene No.	62913	Strand	+
Start	1000	End	3138
Name	OJ990419_12.9923.C35.o1.tw	Method	TBLASTX:Wheat
Start	1112	End	1889
GI	none	Score	203
Exons	1112..1240, 1113..1241, 1641..1883, 1643..1885, 1644..1889		

Seq. No.	30432	Seq. ID	OJ990419_12.9923.C35
Gene No.	62913	Strand	+
Start	1000	End	3138
Name	OJ990419_12.9923.C35.o1.gs	Method	GENSCAN
Start	1116	End	2069
GI	none	Score	.67
Exons	1116..1241, 1247..1339, 1641..2069		

Seq. No.	30432	Seq. ID	OJ990419_12.9923.C35
Gene No.	62913	Strand	+
Start	1000	End	3138
Name	OJ990419_12.9923.C35.o1.np	Method	AAT/NAP
Start	1116	End	3138
GI	417154	Score	849
Exons	1116..1241, 1641..2065, 3068..3138		
GI Descrip.	HEAT SHOCK PROTEIN 82 gi|100685|pir||S25541 heat shock protein 82 - rice (strain Taichung Native One) gi|20256|emb|CAA77978| (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]		

Seq. No.	30432	Seq. ID	OJ990419_12.9923.C35
Gene No.	62913	Strand	+
Start	1000	End	3138
Name	OJ990419_12.9923.C35.o1.ts	Method	TBLASTX:Soybean
Start	1124	End	2072
GI	none	Score	121
Exons	1124..1213, 1140..1214, 1635..1739, 1641..1739, 1716..2066, 1721..2065, 1986..2072		

Seq. No.	30433	Seq. ID	OJ990419_12.9923.C36
Gene No.	62914	Strand	+
Start	175	End	376
Name	OJ990419_12.9923.C36.o1.gp	Method	AAT/GAP
Start	175	End	334
GI	1631757	Score	258
Exons	175..334		
GI Descrip.	5123910/emb|CAA67191.1| 8.0e-15 (X98582) HSP80-2 [Triticum aestivum]		

Seq. No.	30433	Seq. ID	OJ990419_12.9923.C36

GI Descrip. (D86598) antifreeze-like protein (af70) [Picea abies]

Seq. No.	30436	Seq. ID	OJ990419_12.9923.C39
Gene No.	62918	Strand	-
Start	429	End	615
Name	OJ990419_12.9923.C39.o1.gp	Method	AAT/GAP
Start	429	End	615
GI	5607470	Score	324
Exons	429..615		
GI Descrip.	1483177/dbj|BAA13135| 3.0e-24 (D86598) antifreeze-like protein (af70) [Picea abies]		

Seq. No.	30437	Seq. ID	OJ990419_12.9923.C40
Gene No.	62919	Strand	-
Start	90	End	660
Name	OJ990419_12.9923.C40.o1.gs	Method	GENSCAN
Start	90	End	561
GI	none	Score	.98
Exons	90..96, 286..561		

Seq. No.	30437	Seq. ID	OJ990419_12.9923.C40
Gene No.	62919	Strand	-
Start	90	End	660
Name	OJ990419_12.9923.C40.o1.np	Method	AAT/NAP
Start	270	End	660
GI	6721520	Score	235
Exons	270..451, 519..660		
GI Descrip.	(AP001072) EST AU029428(E30359) corresponds to a region of the predicted gene.; Similar to antifreeze-like protein (D86598) [Oryza sativa]		

Seq. No.	30437	Seq. ID	OJ990419_12.9923.C40
Gene No.	62919	Strand	-
Start	90	End	660
Name	OJ990419_12.9923.C40.o1.tc	Method	TBLASTX:Cress
Start	270	End	616
GI	none	Score	121
Exons	270..425, 289..426, 498..560, 572..616		

Seq. No.	30437	Seq. ID	OJ990419_12.9923.C40
Gene No.	62919	Strand	-
Start	90	End	660
Name	OJ990419_12.9923.C40.o1.ts	Method	TBLASTX:Soybean
Start	270	End	616
GI	none	Score	132
Exons	270..425, 289..426, 513..563, 572..616		

Seq. No.	30437	Seq. ID	OJ990419_12.9923.C40
Gene No.	62919	Strand	-
Start	90	End	660
Name	OJ990419_12.9923.C40.o1.tm	Method	TBLASTX:Maize
Start	288	End	578
GI	none	Score	110
Exons	288..410, 288..425, 289..426, 505..564, 514..564, 528..578		

Seq. No.	30438	Seq. ID	OJ990419_12.9923.C41
Gene No.	62920	Strand	-

Start	85	End	514
Name	OJ990419_12.9923.C41.o1.gs	Method	GENSCAN
Start	85	End	514
GI	none	Score	.42
Exons	85..190, 384..514		

Seq. No.	30439	Seq. ID	OJ990419_12.9923.C42
Gene No.	62921	Strand	+
Start	417	End	429
Name	OJ990419_12.9923.C42.o1.gs	Method	GENSCAN
Start	417	End	429
GI	none	Score	.51
Exons	417..429		

Seq. No.	30440	Seq. ID	OJ990419_12.9923.C44
Gene No.	62922	Strand	-
Start	243	End	328
Name	OJ990419_12.9923.C44.o1.gs	Method	GENSCAN
Start	243	End	328
GI	none	Score	.75
Exons	243..328		

Seq. No.	30441	Seq. ID	OJ990419_12.9923.C45
Gene No.	62923	Strand	-
Start	140	End	426
Name	OJ990419_12.9923.C45.o1.gp	Method	AAT/GAP
Start	140	End	426
GI	5607469	Score	535
Exons	140..426		

Seq. No.	30441	Seq. ID	OJ990419_12.9923.C45
Gene No.	62923	Strand	-
Start	140	End	426
Name	OJ990419_12.9923.C45.o1.gs	Method	GENSCAN
Start	140	End	351
GI	none	Score	.89
Exons	140..351		

Seq. No.	30442	Seq. ID	OJ990419_12.9923.C48
Gene No.	62924	Strand	+
Start	22	End	627
Name	OJ990419_12.9923.C48.o1.gs	Method	GENSCAN
Start	22	End	627
GI	none	Score	.44
Exons	22..109, 500..627		

Seq. No.	30443	Seq. ID	OJ990729_11.9924.C2
Gene No.	62925	Strand	+
Start	3592	End	9269
Name	OJ990729_11.9924.C2.o1.np	Method	AAT/NAP
Start	3592	End	9269
GI	4726112	Score	722
Exons	3592..3617, 6422..6559, 8347..9269		
GI Descrip.	(AC006436) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30443	Seq. ID	OJ990729_11.9924.C2
Gene No.	62926	Strand	+

Gene No.	62914	Strand	+
Start	175	End	376
Name	OJ990419_12.9923.C36.o1.tm	Method	TBLASTX:Maize
Start	187	End	333
GI	none	Score	184
Exons	187..333, 188..283, 189..332		

Seq. No.	30433	Seq. ID	OJ990419_12.9923.C36
Gene No.	62914	Strand	+
Start	175	End	376
Name	OJ990419_12.9923.C36.o1.np	Method	AAT/NAP
Start	191	End	376
GI	417154	Score	218
Exons	191..376		
GI Descrip.	HEAT SHOCK PROTEIN 82 gi|100685|pir||S25541 heat shock protein 82 - rice (strain Taichung Native One) gi|20256|emb|CAA77978| (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]		

Seq. No.	30434	Seq. ID	OJ990419_12.9923.C37
Gene No.	62915	Strand	-
Start	526	End	612
Name	OJ990419_12.9923.C37.o1.gs	Method	GENSCAN
Start	526	End	612
GI	none	Score	.78
Exons	526..612		

Seq. No.	30435	Seq. ID	OJ990419_12.9923.C38
Gene No.	62916	Strand	-
Start	114	End	656
Name	OJ990419_12.9923.C38.o1.gp	Method	AAT/GAP
Start	114	End	656
GI	none	Score	657
Exons	114..496, 611..656		

Seq. No.	30435	Seq. ID	OJ990419_12.9923.C38
Gene No.	62916	Strand	-
Start	114	End	656
Name	OJ990419_12.9923.C38.o1.gs	Method	GENSCAN
Start	142	End	496
GI	none	Score	.59
Exons	142..496		

Seq. No.	30435	Seq. ID	OJ990419_12.9923.C38
Gene No.	62916	Strand	-
Start	114	End	656
Name	OJ990419_12.9923.C38.o1.tc	Method	TBLASTX:Cress
Start	280	End	504
GI	none	Score	142
Exons	280..504, 281..472		

Seq. No.	30436	Seq. ID	OJ990419_12.9923.C39
Gene No.	62917	Strand	+
Start	1	End	615
Name	OJ990419_12.9923.C39.o1.np	Method	AAT/NAP
Start	1	End	615
GI	1483177	Score	159
Exons	1..28, 422..615		

Start	24055	End	24171
Name	OJ990729_11.9924.C2.o2.gp	Method	AAT/GAP
Start	24055	End	24171
GI	LIB3477-003-P1-K1-E9	Score	149
Exons	24055..24105, 24127..24171		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	30443	Seq. ID	OJ990729_11.9924.C2
Gene No.	62927	Strand	-
Start	13643	End	14074
Name	OJ990729_11.9924.C2.o2.gs	Method	GENSCAN
Start	13643	End	14074
GI	none	Score	.89
Exons	13643..13765, 13904..14074		

Seq. No.	30443	Seq. ID	OJ990729_11.9924.C2
Gene No.	62928	Strand	-
Start	15052	End	22813
Name	OJ990729_11.9924.C2.o1.tm	Method	TBLASTX:Maize
Start	8346	End	9252
GI	none	Score	70
Exons	8346..8561, 8347..8727, 8781..9164, 8782..9252, 9183..9248		

Seq. No.	30443	Seq. ID	OJ990729_11.9924.C2
Gene No.	62928	Strand	-
Start	15052	End	22813
Name	OJ990729_11.9924.C2.o6.tw	Method	TBLASTX:Wheat
Start	8785	End	9123
GI	none	Score	207
Exons	8785..9123		

Seq. No.	30443	Seq. ID	OJ990729_11.9924.C2
Gene No.	62928	Strand	-
Start	15052	End	22813
Name	OJ990729_11.9924.C2.o2.ts	Method	TBLASTX:Soybean
Start	8910	End	9152
GI	none	Score	276
Exons	8910..9152, 8911..9150		

Seq. No.	30443	Seq. ID	OJ990729_11.9924.C2
Gene No.	62928	Strand	-
Start	15052	End	22813
Name	OJ990729_11.9924.C2.o3.gs	Method	GENSCAN
Start	15052	End	22813
GI	none	Score	.45
Exons	15052..15207, 16420..16751, 18272..18597, 18777..18939, 19835..19878, 20209..20250, 20306..20609, 20695..20842, 21842..21954, 22213..22505, 22606..22813		

Seq. No.	30443	Seq. ID	OJ990729_11.9924.C2
Gene No.	62928	Strand	-
Start	15052	End	22813
Name	OJ990729_11.9924.C2.o2.tw	Method	TBLASTX:Wheat
Start	16031	End	16408
GI	none	Score	274

Exons	16031..16408		
Seq. No.	30443	Seq. ID	OJ990729_11.9924.C2
Gene No.	62928	Strand	-
Start	15052	End	22813
Name	OJ990729_11.9924.C2.o3.ts	Method	TBLASTX:Soybean
Start	16031	End	16590
GI	none	Score	59
Exons	16031..16246, 16241..16399, 16429..16488, 16534..16590		
Seq. No.	30443	Seq. ID	OJ990729_11.9924.C2
Gene No.	62928	Strand	-
Start	15052	End	22813
Name	OJ990729_11.9924.C2.o3.tm	Method	TBLASTX:Maize
Start	16175	End	17155
GI	none	Score	80
Exons	16175..16204, 16196..16417, 16417..16887, 16553..16678, 16730..16858, 16856..17155, 16944..17075		
Seq. No.	30443	Seq. ID	OJ990729_11.9924.C2
Gene No.	62928	Strand	-
Start	15052	End	22813
Name	OJ990729_11.9924.C2.o3.tw	Method	TBLASTX:Wheat
Start	16516	End	16858
GI	none	Score	88
Exons	16516..16671, 16525..16659, 16672..16857, 16673..16858		
Seq. No.	30443	Seq. ID	OJ990729_11.9924.C2
Gene No.	62928	Strand	-
Start	15052	End	22813
Name	OJ990729_11.9924.C2.o4.tw	Method	TBLASTX:Wheat
Start	16862	End	17164
GI	none	Score	122
Exons	16862..17164, 16926..17072		
Seq. No.	30443	Seq. ID	OJ990729_11.9924.C2
Gene No.	62928	Strand	-
Start	15052	End	22813
Name	OJ990729_11.9924.C2.o4.tm	Method	TBLASTX:Maize
Start	17388	End	18065
GI	none	Score	71
Exons	17388..17543, 17598..17885, 17608..17679, 17985..18011, 18036..18065		
Seq. No.	30443	Seq. ID	OJ990729_11.9924.C2
Gene No.	62928	Strand	-
Start	15052	End	22813
Name	OJ990729_11.9924.C2.o5.tw	Method	TBLASTX:Wheat
Start	17511	End	17810
GI	none	Score	208
Exons	17511..17810		
Seq. No.	30443	Seq. ID	OJ990729_11.9924.C2
Gene No.	62928	Strand	-
Start	15052	End	22813
Name	OJ990729_11.9924.C2.o1.gp	Method	AAT/GAP
Start	19985	End	21001

GI	219_1.R1084	Score	1783
Exons	19985..20609, 20695..21001		
GI Descrip.	'4138290/emb|CAA06736| 4.0e-87 (AJ005841) thioredoxin M [Oryza sativa]'		

Seq. No.	30443	Seq. ID	OJ990729_11.9924.C2
Gene No.	62928	Strand	-
Start	15052	End	22813
Name	OJ990729_11.9924.C2.o1.tw	Method	TBLASTX:Wheat
Start	20288	End	20610
GI	none	Score	379
Exons	20288..20587, 20293..20598, 20497..20610		

Seq. No.	30443	Seq. ID	OJ990729_11.9924.C2
Gene No.	62928	Strand	-
Start	15052	End	22813
Name	OJ990729_11.9924.C2.o2.tm	Method	TBLASTX:Maize
Start	20288	End	20902
GI	none	Score	329
Exons	20288..20587, 20293..20598, 20497..20610, 20696..20731, 20697..20732, 20860..20901, 20861..20902		

Seq. No.	30443	Seq. ID	OJ990729_11.9924.C2
Gene No.	62928	Strand	-
Start	15052	End	22813
Name	OJ990729_11.9924.C2.o4.np	Method	AAT/NAP
Start	20293	End	20893
GI	4138290	Score	875
Exons	20293..20609, 20695..20893		
GI Descrip.	(AJ005841) thioredoxin M [Oryza sativa]		

Seq. No.	30443	Seq. ID	OJ990729_11.9924.C2
Gene No.	62928	Strand	-
Start	15052	End	22813
Name	OJ990729_11.9924.C2.o1.tc	Method	TBLASTX:Cress
Start	20299	End	20595
GI	none	Score	232
Exons	20299..20595, 20306..20563		

Seq. No.	30443	Seq. ID	OJ990729_11.9924.C2
Gene No.	62928	Strand	-
Start	15052	End	22813
Name	OJ990729_11.9924.C2.o1.ts	Method	TBLASTX:Soybean
Start	20299	End	20604
GI	none	Score	317
Exons	20299..20595, 20300..20587, 20497..20604		

Seq. No.	30444	Seq. ID	OJ990729_11.9924.C3
Gene No.	62929	Strand	+
Start	303	End	1108
Name	OJ990729_11.9924.C3.o1.gs	Method	GENSCAN
Start	303	End	1108
GI	none	Score	.58
Exons	303..352, 449..594, 996..1108		

Seq. No.	30445	Seq. ID	OJ990729_11.9924.C4
Gene No.	62930	Strand	+

Start	70	End	13065
Name	OJ990729_11.9924.C4.o1.gs	Method	GENSCAN
Start	70	End	6466
GI	none	Score	.91
Exons	70..364, 478..593, 784..1385, 3112..3245, 3377..3483, 3999..4106, 4398..4489, 4568..4623, 4967..5027, 5113..5380, 5478..5659, 5748..6040, 6352..6466		

Seq. No.	30445	Seq. ID	OJ990729_11.9924.C4
Gene No.	62930	Strand	+
Start	70	End	13065
Name	OJ990729_11.9924.C4.o2.np	Method	AAT/NAP
Start	2165	End	5375
GI	243898	Score	201
Exons	2165..2186, 4213..4253, 4430..4489, 4568..4623, 4967..5044, 5130..5375		
GI Descrip.	(S78897) GOR=antigenic epitope [chimpanzees, Peptide, 427 aa] [Pan]		

Seq. No.	30445	Seq. ID	OJ990729_11.9924.C4
Gene No.	62930	Strand	+
Start	70	End	13065
Name	OJ990729_11.9924.C4.o1.np	Method	AAT/NAP
Start	4229	End	13065
GI	4056553	Score	221
Exons	4229..4258, 4435..4489, 4568..4623, 4967..5027, 5113..5503, 5585..5834, 5950..6023, 12910..13065		
GI Descrip.	(AL034583) putative exonuclease [Schizosaccharomyces pombe]		

Seq. No.	30445	Seq. ID	OJ990729_11.9924.C4
Gene No.	62930	Strand	+
Start	70	End	13065
Name	OJ990729_11.9924.C4.o2.gs	Method	GENSCAN
Start	8932	End	9995
GI	none	Score	.53
Exons	8932..8945, 9911..9995		

Seq. No.	30445	Seq. ID	OJ990729_11.9924.C4
Gene No.	62931	Strand	+
Start	29409	End	29467
Name	OJ990729_11.9924.C4.o1.gp	Method	AAT/GAP
Start	29409	End	29467
GI	2312838	Score	73
Exons	29409..29467		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	30445	Seq. ID	OJ990729_11.9924.C4
Gene No.	62932	Strand	+
Start	30935	End	43276
Name	OJ990729_11.9924.C4.o3.np	Method	AAT/NAP
Start	30935	End	34659
GI	6831518	Score	839
Exons	30935..31040, 31267..31441, 31552..31625, 32350..32432, 32601..32625, 32742..32761, 33566..33712, 34297..34659		
GI Descrip.	PUTATIVE CARBOXYVINYL-CARBOXYPHOSPHONATE PHOSPHORYLMUTASE (CARBOXYPHOSPHONOENOLPYRUVATE PHOSPHONOMUTASE) (CPEP		

PHOSPHONOMUTASE) gi|2829913 (AC002291) putative carboxyphosphonoenolpyruvate mutase [Arabidopsis thaliana]

Seq. No.	30445	Seq. ID	OJ990729_11.9924.C4
Gene No.	62932	Strand	+
Start	30935	End	43276
Name	OJ990729_11.9924.C4.o6.gs	Method	GENSCAN
Start	31188	End	43276
GI	none	Score	.44
Exons	31188..31441, 31552..31625, 32350..32432, 33566..33712, 34297..34755, 37855..38376, 38499..38624, 38785..38870, 40012..40085, 40213..40336, 43234..43276		

Seq. No.	30445	Seq. ID	OJ990729_11.9924.C4
Gene No.	62932	Strand	+
Start	30935	End	43276
Name	OJ990729_11.9924.C4.o2.gp	Method	AAT/GAP
Start	32039	End	34725
GI	787_1.R1084	Score	1877
Exons	32039..32432, 32601..32625, 33566..33712, 34297..34725		
GI Descrip.	'2829913 2.0e-59 (AC002291) putative carboxyphosphonoenolpyruvate mutase [Arabidopsis thaliana]'		

Seq. No.	30445	Seq. ID	OJ990729_11.9924.C4
Gene No.	62932	Strand	+
Start	30935	End	43276
Name	OJ990729_11.9924.C4.o3.gp	Method	AAT/GAP
Start	34903	End	35220
GI	2798775	Score	560
Exons	34903..35220		

Seq. No.	30445	Seq. ID	OJ990729_11.9924.C4
Gene No.	62932	Strand	+
Start	30935	End	43276
Name	OJ990729_11.9924.C4.o4.gp	Method	AAT/GAP
Start	38069	End	39110
GI	1450_2.R1084	Score	1460
Exons	38069..38376, 38499..38624, 38785..39110		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	30445	Seq. ID	OJ990729_11.9924.C4
Gene No.	62932	Strand	+
Start	30935	End	43276
Name	OJ990729_11.9924.C4.o4.np	Method	AAT/NAP
Start	38143	End	38871
GI	400879	Score	521
Exons	38143..38376, 38499..38624, 38785..38871		
GI Descrip.	PHOTOSYSTEM I REACTION CENTRE SUBUNIT PSAN PRECURSOR (PSI-N) gi|479690|pir||S35159 photosystem I chain psaN - barley gi|19095|emb|CAA47056| (X66428) photosystem I subunit N [Hordeum vulgare]		

Seq. No.	30445	Seq. ID	OJ990729_11.9924.C4
Gene No.	62933	Strand	-
Start	10310	End	10689
Name	OJ990729_11.9924.C4.o2.tm	Method	TBLASTX:Maize

Start	4180	End	5289
GI	none	Score	85
Exons	4180..4275, 4181..4252, 4182..4253, 4429..4491, 4430..4492, 4566..4625, 4568..4627, 4941..5030, 4964..5038, 4965..5027, 5108..5269, 5109..5282, 5109..5279, 5110..5286, 5110..5289		

Seq. No.	30445	Seq. ID	OJ990729_11.9924.C4
Gene No.	62933	Strand	-
Start	10310	End	10689
Name	OJ990729_11.9924.C4.o1.tm	Method	TBLASTX:Maize
Start	5451	End	6035
GI	none	Score	131
Exons	5451..5660, 5452..5661, 5457..5660, 5465..5662, 5510..5662, 5745..6035, 5745..5864, 5747..6034		

Seq. No.	30445	Seq. ID	OJ990729_11.9924.C4
Gene No.	62933	Strand	-
Start	10310	End	10689
Name	OJ990729_11.9924.C4.o3.gs	Method	GENSCAN
Start	10310	End	10689
GI	none	Score	.49
Exons	10310..10497, 10515..10689		

Seq. No.	30445	Seq. ID	OJ990729_11.9924.C4
Gene No.	62934	Strand	
Start	31275	End	32399
Name	OJ990729_11.9924.C4.o1.tc	Method	TBLASTX:Cress
Start	31275	End	32399
GI	none	Score	185
Exons	31275..31433, 31292..31441, 31537..31623, 31541..31624, 32349..32399		

Seq. No.	30445	Seq. ID	OJ990729_11.9924.C4
Gene No.	62935	Strand	
Start	38133	End	38874
Name	OJ990729_11.9924.C4.o3.tm	Method	TBLASTX:Maize
Start	38133	End	38874
GI	none	Score	65
Exons	38133..38219, 38181..38243, 38338..38376, 38343..38378, 38357..38380, 38483..38623, 38496..38624, 38782..38874, 38784..38873		

Seq. No.	30445	Seq. ID	OJ990729_11.9924.C4
Gene No.	62935	Strand	
Start	38133	End	38874
Name	OJ990729_11.9924.C4.o1.ts	Method	TBLASTX:Soybean
Start	38338	End	38874
GI	none	Score	49
Exons	38338..38376, 38357..38377, 38483..38623, 38496..38624, 38782..38874, 38784..38873		

Seq. No.	30445	Seq. ID	OJ990729_11.9924.C4
Gene No.	62935	Strand	
Start	38133	End	38874
Name	OJ990729_11.9924.C4.o2.tc	Method	TBLASTX:Cress
Start	38483	End	38874
GI	none	Score	206

Exons	38483..38623, 38496..38624, 38782..38874, 38784..38873		
Seq. No.	30445	Seq. ID	OJ990729_11.9924.C4
Gene No.	62936	Strand	
Start	41377	End	41616
Name	OJ990729_11.9924.C4.o1.tw	Method	TBLASTX:Wheat
Start	41377	End	41616
GI	none	Score	122
Exons	41377..41559, 41431..41529, 41518..41616, 41542..41613, 41543..41614		
Seq. No.	30446	Seq. ID	OJ990729_11.9924.C5
Gene No.	62937	Strand	-
Start	2121	End	2150
Name	OJ990729_11.9924.C5.o1.gs	Method	GENSCAN
Start	2121	End	2150
GI	none	Score	.69
Exons	2121..2150		
Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62938	Strand	+
Start	5998	End	8405
Name	OJ990729_11.9924.C6.o2.gs	Method	GENSCAN
Start	5998	End	8405
GI	none	Score	.52
Exons	5998..6091, 6479..6549, 7590..8405		
Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62939	Strand	+
Start	10525	End	17812
Name	OJ990729_11.9924.C6.o3.gs	Method	GENSCAN
Start	10525	End	17812
GI	none	Score	.51
Exons	10525..10571, 11214..11386, 12531..12606, 13063..13155, 13206..13292, 13406..13442, 13702..14017, 14136..14316, 14355..14466, 14868..15003, 15085..15140, 15333..15444, 16321..16626, 16851..17609, 17739..17812		
Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62939	Strand	+
Start	10525	End	17812
Name	OJ990729_11.9924.C6.o1.gp	Method	AAT/GAP
Start	16442	End	16961
GI	3768941	Score	514
Exons	16442..16626, 16851..16961		
Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62939	Strand	+
Start	10525	End	17812
Name	OJ990729_11.9924.C6.o2.gp	Method	AAT/GAP
Start	17437	End	17801
GI	3768942	Score	652
Exons	17437..17801		
Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62940	Strand	+
Start	31946	End	32663

Name	OJ990729_11.9924.C6.o6.gs	Method	GENSCAN
Start	31946	End	32663
GI	none	Score	.79
Exons	31946..32016, 32582..32663		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62941	Strand	+
Start	37653	End	40335
Name	OJ990729_11.9924.C6.o8.gs	Method	GENSCAN
Start	37653	End	40329
GI	none	Score	.77
Exons	37653..37766, 38049..38137, 38234..38411, 39194..39327, 39405..39618, 39699..39883, 40028..40123, 40203..40329		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62941	Strand	+
Start	37653	End	40335
Name	OJ990729_11.9924.C6.o3.np	Method	AAT/NAP
Start	37672	End	40335
GI	6587842	Score	1003
Exons	37672..37766, 38049..38137, 38234..38411, 38936..39067, 39197..39327, 39405..39618, 39699..39883, 40028..40123, 40203..40335		
GI Descrip.	(AC006551) Similar to auxin-independent growth promoter [Arabidopsis thaliana]		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62941	Strand	+
Start	37653	End	40335
Name	OJ990729_11.9924.C6.o4.gp	Method	AAT/GAP
Start	38233	End	39262
GI	LIB3477-011-P1-K1-G12	Score	711
Exons	38233..38411, 38936..39064, 39194..39262		
GI Descrip.	'4895186/gb|AAD32773.1|AC007661_10 5.0e-28 (AC007661) putative growth regulator protein [Arabidopsis thaliana]'		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62942	Strand	+
Start	52829	End	52990
Name	OJ990729_11.9924.C6.o7.gp	Method	AAT/GAP
Start	52829	End	52990
GI	uC-osflcyp011b01b1	Score	270
Exons	52829..52990		
GI Descrip.	'343210 5.0e-78 (M35995) apocytochrome b6 (alt.) [Oryza sativa] >gi_226762_prf__1604469A cytochrome b6 [Oryza sativa]'		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62943	Strand	-
Start	783	End	2473
Name	OJ990729_11.9924.C6.o1.np	Method	AAT/NAP
Start	773	End	2473
GI	6539579	Score	798
Exons	773..965, 1265..1387, 1475..1714, 1844..2473		
GI Descrip.	(AP000837) Similar to human dimethylaniline monooxygenase (AC002376) [Oryza sativa]		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6

Gene No.	62943	Strand	-
Start	783	End	2473
Name	OJ990729_11.9924.C6.o1.gs	Method	GENSCAN
Start	783	End	2455
GI	none	Score	.93
Exons	783..965, 1265..1387, 1478..1714, 1844..2455		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62944	Strand	-
Start	17509	End	28990
Name	OJ990729_11.9924.C6.o2.np	Method	AAT/NAP
Start	17509	End	21890
GI	4455208	Score	1173
Exons	17509..17622, 18580..18822, 19073..19333, 19768..19955, 20020..20369, 20445..20538, 21737..21890		
GI Descrip.	(AL035440) putative protein [Arabidopsis thaliana]		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62944	Strand	-
Start	17509	End	28990
Name	OJ990729_11.9924.C6.o3.gp	Method	AAT/GAP
Start	18188	End	21995
GI	1561_1.R1084	Score	3208
Exons	18188..18822, 19073..19333, 19768..19953, 20039..20344, 21130..21233, 21767..21995		
GI Descrip.	'4455208/emb|CAB36531.1| 1.0e-136 (AL035440) putative protein [Arabidopsis thaliana]'		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62944	Strand	-
Start	17509	End	28990
Name	OJ990729_11.9924.C6.o4.gs	Method	GENSCAN
Start	18496	End	28990
GI	none	Score	.64
Exons	18496..18822, 19073..19333, 19768..19953, 20039..20344, 21130..21233, 21873..22211, 26778..26832, 28979..28990		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62945	Strand	-
Start	29202	End	31415
Name	OJ990729_11.9924.C6.o5.gs	Method	GENSCAN
Start	29202	End	31415
GI	none	Score	.97
Exons	29202..29337, 31327..31415		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62946	Strand	-
Start	34910	End	36766
Name	OJ990729_11.9924.C6.o7.gs	Method	GENSCAN
Start	34910	End	36766
GI	none	Score	.6
Exons	34910..34996, 35103..35180, 36106..36459, 36641..36766		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62947	Strand	-
Start	41195	End	43127
Name	OJ990729_11.9924.C6.o5.gp	Method	AAT/GAP

Start	41195	End	41702
GI	LIB3431-044-P1-N1-C4	Score	788
Exons	41195..41462, 41547..41702		
GI Descrip.	'2829916 7.0e-27 (AC002291) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62947	Strand	-
Start	41195	End	43127
Name	OJ990729_11.9924.C6.o4.np	Method	AAT/NAP
Start	41401	End	43011
GI	2829916	Score	650
Exons	41401..41462, 41547..41771, 41867..41981, 42079..42175, 42690..43011		
GI Descrip.	(AC002291) Unknown protein [Arabidopsis thaliana]		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62947	Strand	-
Start	41195	End	43127
Name	OJ990729_11.9924.C6.o9.gs	Method	GENSCAN
Start	41430	End	43044
GI	none	Score	.67
Exons	41430..41500, 41547..41771, 41873..41981, 42079..42182, 42741..43044		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62947	Strand	-
Start	41195	End	43127
Name	OJ990729_11.9924.C6.o6.gp	Method	AAT/GAP
Start	41957	End	43127
GI	7346_1.R1084	Score	928
Exons	41957..41981, 42079..42182, 42741..43127		
GI Descrip.	'2829916 6.0e-15 (AC002291) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o7.tm	Method	TBLASTX:Maize
Start	1451	End	1715
GI	none	Score	217
Exons	1451..1714, 1476..1715		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o2.ts	Method	TBLASTX:Soybean
Start	1901	End	2458
GI	none	Score	48
Exons	1901..2458, 1902..1937, 1977..2201, 2277..2441		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o4.tm	Method	TBLASTX:Maize
Start	2036	End	2479
GI	none	Score	70

Exons	2036..2440, 2040..2180, 2204..2479		
Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o1.tw	Method	TBLASTX:Wheat
Start	2252	End	2437
GI	none	Score	87
Exons	2252..2437, 2280..2435		
Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o6.ts	Method	TBLASTX:Soybean
Start	7917	End	8216
GI	none	Score	256
Exons	7917..8216		
Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o10.tm	Method	TBLASTX:Maize
Start	15291	End	16411
GI	none	Score	198
Exons	15291..15446, 15293..15445, 16288..16407, 16322..16411, 16323..16409		
Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o9.tm	Method	TBLASTX:Maize
Start	16929	End	17182
GI	none	Score	172
Exons	16929..17099, 16936..17106, 16936..17109, 17075..17182, 17104..17181		
Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o1.tm	Method	TBLASTX:Maize
Start	18494	End	21906
GI	none	Score	52
Exons	18494..18556, 18502..18555, 18586..18825, 18595..18825, 19073..19336, 19077..19334, 19078..19335, 19759..19953, 19767..19892, 19767..19967, 19768..19962, 20012..20359, 20027..20347, 21166..21231, 21769..21900, 21837..21899, 21842..21901, 21850..21906		
Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o2.tc	Method	TBLASTX:Cress
Start	18602	End	20068
GI	none	Score	177
Exons	18602..18826, 18604..18825, 18609..18854, 18636..18848, 19202..19228, 19280..19336, 19764..19871, 19766..19939, 19768..19938, 19768..19956, 20036..20068		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o4.ts	Method	TBLASTX:Soybean
Start	18602	End	19337
GI	none	Score	162
Exons	18602..18826, 18604..18825, 18606..18827, 18607..18828, 19073..19186, 19077..19205, 19101..19223, 19193..19264, 19194..19259, 19254..19337, 19265..19336		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o6.tc	Method	TBLASTX:Cress
Start	20183	End	22106
GI	none	Score	112
Exons	20183..20347, 20189..20347, 21754..21828, 21831..21887, 21832..21906, 22013..22075, 22014..22106		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o8.ts	Method	TBLASTX:Soybean
Start	37719	End	38404
GI	none	Score	66
Exons	37719..37769, 38048..38137, 38049..38135, 38231..38404, 38232..38381		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o5.tc	Method	TBLASTX:Cress
Start	37731	End	38414
GI	none	Score	67
Exons	37731..37772, 38048..38137, 38049..38135, 38232..38414, 38232..38411		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o5.tm	Method	TBLASTX:Maize
Start	38921	End	39465
GI	none	Score	151
Exons	38921..39049, 38936..39064, 38953..39075, 39172..39327, 39185..39328, 39391..39465, 39402..39464		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o3.ts	Method	TBLASTX:Soybean
Start	38933	End	39884
GI	none	Score	120
Exons	38933..39061, 38958..39068, 39227..39334, 39232..39330, 39403..39561, 39684..39884		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6

Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o3.tc	Method	TBLASTX:Cress
Start	38936	End	39884
GI	none	Score	130
Exons	38936..39064, 38956..39063, 38962..39072, 39227..39319, 39229..39318, 39450..39566, 39462..39572, 39463..39570, 39689..39853, 39690..39884		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o2.tm	Method	TBLASTX:Maize
Start	39467	End	40332
GI	none	Score	185
Exons	39467..39622, 39468..39632, 39469..39633, 39681..39893, 39686..39895, 39696..39884, 40025..40114, 40026..40124, 40027..40170, 40198..40332, 40200..40331		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o7.ts	Method	TBLASTX:Soybean
Start	40026	End	40311
GI	none	Score	105
Exons	40026..40124, 40199..40303, 40200..40307, 40201..40311		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o1.tc	Method	TBLASTX:Cress
Start	41365	End	41910
GI	none	Score	64
Exons	41365..41463, 41393..41464, 41545..41766, 41546..41758, 41874..41909, 41875..41910		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o1.ts	Method	TBLASTX:Soybean
Start	41398	End	42841
GI	none	Score	61
Exons	41398..41466, 41402..41473, 41545..41766, 41546..41761, 41868..41981, 41869..41982, 42068..42184, 42076..42189, 42077..42184, 42736..42798, 42737..42799, 42797..42841		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o3.tm	Method	TBLASTX:Maize
Start	41605	End	41978
GI	none	Score	207
Exons	41605..41775, 41612..41761, 41620..41781, 41861..41977, 41868..41978, 41869..41976		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-

Start	46073	End	55660
Name	OJ990729_11.9924.C6.o7.tc	Method	TBLASTX:Cress
Start	41931	End	42799
GI	none	Score	75
Exons	41931..41981, 41932..41982, 42076..42111, 42112..42189, 42113..42184, 42736..42798, 42737..42799		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o5.np	Method	AAT/NAP
Start	46073	End	55660
GI	6457687	Score	579
Exons	46073..46097, 48042..48102, 53993..54158, 54249..54416, 54483..54710, 54817..55018, 55616..55660		
GI Descrip.	(AE001866) aminotransferase, putative [Deinococcus radiodurans]		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o4.tc	Method	TBLASTX:Cress
Start	52829	End	52998
GI	none	Score	275
Exons	52829..52990, 52829..52987, 52831..52998		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o5.ts	Method	TBLASTX:Soybean
Start	52829	End	52990
GI	none	Score	275
Exons	52829..52990, 52829..52987		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o8.tm	Method	TBLASTX:Maize
Start	52832	End	52990
GI	none	Score	241
Exons	52832..52990, 52879..52980		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o11.gs	Method	GENSCAN
Start	53745	End	55018
GI	none	Score	.9
Exons	53745..54098, 54249..54719, 54817..55018		

Seq. No.	30447	Seq. ID	OJ990729_11.9924.C6
Gene No.	62948	Strand	-
Start	46073	End	55660
Name	OJ990729_11.9924.C6.o6.tm	Method	TBLASTX:Maize
Start	53994	End	54404
GI	none	Score	72
Exons	53994..54089, 54093..54161, 54255..54404, 54259..54384		

Seq. No.	30448	Seq. ID	OJ990729_11.9924.C7
Gene No.	62949	Strand	+
Start	3208	End	4946
Name	OJ990729_11.9924.C7.o2.gs	Method	GENSCAN
Start	3208	End	4946
GI	none	Score	.63
Exons	3208..3226, 4202..4266, 4589..4750, 4929..4946		

Seq. No.	30448	Seq. ID	OJ990729_11.9924.C7
Gene No.	62950	Strand	+
Start	7348	End	7527
Name	OJ990729_11.9924.C7.o3.gs	Method	GENSCAN
Start	7348	End	7527
GI	none	Score	.68
Exons	7348..7527		

Seq. No.	30448	Seq. ID	OJ990729_11.9924.C7
Gene No.	62951	Strand	-
Start	1	End	200
Name	OJ990729_11.9924.C7.o1.np	Method	AAT/NAP
Start	1	End	200
GI	6457687	Score	87
Exons	1..200		
GI Descrip.	(AE001866) aminotransferase, putative [Deinococcus radiodurans]		

Seq. No.	30448	Seq. ID	OJ990729_11.9924.C7
Gene No.	62952	Strand	-
Start	7880	End	8392
Name	OJ990729_11.9924.C7.o2.gp	Method	AAT/GAP
Start	7880	End	8392
GI	LIB3432-059-P1-K1-D8	Score	721
Exons	7880..8296, 8371..8392		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	30448	Seq. ID	OJ990729_11.9924.C7
Gene No.	62953	Strand	-
Start	8505	End	9647
Name	OJ990729_11.9924.C7.o4.gs	Method	GENSCAN
Start	8505	End	9647
GI	none	Score	.7
Exons	8505..8551, 9501..9647		

Seq. No.	30449	Seq. ID	OJ990729_11.9924.C8
Gene No.	62954	Strand	+
Start	1	End	623
Name	OJ990729_11.9924.C8.o1.gp	Method	AAT/GAP
Start	1	End	325
GI	43983_1.R1084	Score	629
Exons	1..325		
GI Descrip.	'4585576/gb|AAD25541.1|AF134051_1 2.0e-12 (AF134051) fructose-1,6-bisphosphatase precursor [Solanum tuberosum]'		

Seq. No.	30449	Seq. ID	OJ990729_11.9924.C8
Gene No.	62954	Strand	+
Start	1	End	623
Name	OJ990729_11.9924.C8.o1.gs	Method	GENSCAN

Start	7	End	325
GI	none	Score	.99
Exons	7..325		

Seq. No.	30449	Seq. ID	OJ990729_11.9924.C8
Gene No.	62954	Strand	+
Start	1	End	623
Name	OJ990729_11.9924.C8.o1.np	Method	AAT/NAP
Start	28	End	623
GI	2827665	Score	223
Exons	28..325, 586..623		
GI Descrip.	(AL021637) vacuolar sorting receptor-like protein [Arabidopsis thaliana]		

Seq. No.	30449	Seq. ID	OJ990729_11.9924.C8
Gene No.	62954	Strand	+
Start	1	End	623
Name	OJ990729_11.9924.C8.o1.ts	Method	TBLASTX:Soybean
Start	100	End	270
GI	none	Score	212
Exons	100..270		

Seq. No.	30449	Seq. ID	OJ990729_11.9924.C8
Gene No.	62954	Strand	+
Start	1	End	623
Name	OJ990729_11.9924.C8.o1.tc	Method	TBLASTX:Cress
Start	103	End	270
GI	none	Score	185
Exons	103..270		

Seq. No.	30449	Seq. ID	OJ990729_11.9924.C8
Gene No.	62954	Strand	+
Start	1	End	623
Name	OJ990729_11.9924.C8.o1.tm	Method	TBLASTX:Maize
Start	106	End	294
GI	none	Score	191
Exons	106..294		

Seq. No.	30450	Seq. ID	OJ990729_11.9924.C10
Gene No.	62955	Strand	+
Start	91	End	165
Name	OJ990729_11.9924.C10.o1.gp	Method	AAT/GAP
Start	91	End	165
GI	358_1.R1084	Score	101
Exons	91..165		
GI Descrip.	'1519251 1.0e-142 (U65957) GF14-c protein [Oryza sativa]'		

Seq. No.	30451	Seq. ID	OJ990729_11.9924.C11
Gene No.	62956	Strand	-
Start	1	End	455
Name	OJ990729_11.9924.C11.o1.np	Method	AAT/NAP
Start	1	End	455
GI	4966357	Score	285
Exons	1..234, 389..455		
GI Descrip.	(AC006341) >F3O9.16 [Arabidopsis thaliana]		

Seq. No.	30451	Seq. ID	OJ990729_11.9924.C11

Gene No.	62956	Strand	-
Start	1	End	455
Name	OJ990729_11.9924.C11.o1.tc	Method	TBLASTX:Cress
Start	2	End	453
GI	none	Score	49
Exons	2..133, 2..142, 45..143, 159..236, 160..237, 374..448, 385..453, 385..447		

Seq. No.	30451	Seq. ID	OJ990729_11.9924.C11
Gene No.	62956	Strand	-
Start	1	End	455
Name	OJ990729_11.9924.C11.o1.tm	Method	TBLASTX:Maize
Start	3	End	455
GI	none	Score	162
Exons	3..149, 8..157, 45..233, 145..237, 147..236, 374..451, 378..455, 385..453		

Seq. No.	30451	Seq. ID	OJ990729_11.9924.C11
Gene No.	62956	Strand	-
Start	1	End	455
Name	OJ990729_11.9924.C11.o1.ts	Method	TBLASTX:Soybean
Start	3	End	429
GI	none	Score	123
Exons	3..149, 8..157, 8..148, 88..234, 147..236, 374..418, 385..429		

Seq. No.	30451	Seq. ID	OJ990729_11.9924.C11
Gene No.	62956	Strand	-
Start	1	End	455
Name	OJ990729_11.9924.C11.o1.gp	Method	AAT/GAP
Start	92	End	455
GI	287079	Score	355
Exons	92..234, 389..455		
GI Descrip.	4966357/gb|AAD34688.1|AC006341_16 1.0e-34 (AC006341) >F3O9.16 [Arabidopsis thaliana]		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62957	Strand	+
Start	15172	End	18838
Name	OJ990709_11.9922.C1.o4.np	Method	AAT/NAP
Start	15172	End	18838
GI	4544372	Score	1211
Exons	15172..15325, 15627..16707, 16774..17173, 17279..18838		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62958	Strand	+
Start	40117	End	41335
Name	OJ990709_11.9922.C1.o7.gs	Method	GENSCAN
Start	40117	End	41335
GI	none	Score	.78
Exons	40117..40590, 40608..40964, 41195..41335		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62959	Strand	+
Start	45913	End	65993
Name	OJ990709_11.9922.C1.o7.np	Method	AAT/NAP

Start	45913	End	48969
GI	6016679	Score	791
Exons	45913..46012, 46131..46163, 46261..46483, 48500..48623, 48724..48969		
GI Descrip.	(AC009991) putative nucleic acid binding protein [Arabidopsis thaliana]		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62959	Strand	+
Start	45913	End	65993
Name	OJ990709_11.9922.C1.o2.gp	Method	AAT/GAP
Start	45967	End	46486
GI	18187_1.R1084	Score	480
Exons	45967..46011, 46129..46163, 46261..46486		
GI Descrip.	'6016679/gb|AAF01506.1|AC009991_2 5.0e-30 (AC009991) putative nucleic acid binding protein [Arabidopsis thaliana]'		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62959	Strand	+
Start	45913	End	65993
Name	OJ990709_11.9922.C1.o9.gs	Method	GENSCAN
Start	46383	End	65993
GI	none	Score	.56
Exons	46383..46483, 48500..48623, 48724..48964, 50445..50611, 50616..51010, 52787..52925, 54128..54635, 54738..55409, 55651..55788, 55885..56215, 56399..56604, 56717..57699, 57716..57907, 58717..58774, 59611..59655, 59992..60113, 60160..60343, 65875..65993		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62959	Strand	+
Start	45913	End	65993
Name	OJ990709_11.9922.C1.o8.np	Method	AAT/NAP
Start	54452	End	57357
GI	4938487	Score	1769
Exons	54452..54635, 54738..55093, 55182..55437, 55651..55788, 55885..56215, 56399..56630, 56743..57357		
GI Descrip.	(AL078464) cadmium-transporting ATPase-like protein [Arabidopsis thaliana]		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62960	Strand	+
Start	71247	End	71812
Name	OJ990709_11.9922.C1.o10.np	Method	AAT/NAP
Start	71247	End	71812
GI	2213632	Score	584
Exons	71247..71812		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62961	Strand	-
Start	671	End	3125
Name	OJ990709_11.9922.C1.o1.gs	Method	GENSCAN
Start	671	End	3125
GI	none	Score	.8
Exons	671..775, 883..1014, 1111..1224, 1316..1493, 1997..2219, 2277..2301, 2450..2536, 3006..3125		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62962	Strand	-
Start	4136	End	11457
Name	OJ990709_11.9922.C1.o2.gs	Method	GENSCAN
Start	4136	End	11457
GI	none	Score	.49
Exons	4136..4270, 4594..4701, 4809..4981, 5246..5359, 6028..6403, 6733..6876, 7919..8241, 8316..8525, 9524..9648, 10523..10883, 11191..11218, 11311..11457		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62962	Strand	-
Start	4136	End	11457
Name	OJ990709_11.9922.C1.o2.np	Method	AAT/NAP
Start	6555	End	9544
GI	5852179	Score	457
Exons	6555..6574, 6949..6982, 7766..7897, 8000..8241, 8316..8537, 9524..9544		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62963	Strand	-
Start	19193	End	22392
Name	OJ990709_11.9922.C1.o4.gs	Method	GENSCAN
Start	19193	End	22392
GI	none	Score	.77
Exons	19193..19426, 19486..19773, 19954..20067, 20350..20691, 21096..21461, 21688..22245, 22342..22392		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62964	Strand	-
Start	31945	End	35590
Name	OJ990709_11.9922.C1.o6.np	Method	AAT/NAP
Start	31945	End	35590
GI	3319345	Score	588
Exons	31945..32840, 32932..33074, 33117..33443, 33543..33750, 35567..35590		
GI Descrip.	(AF077407) contains similarity to maize transposon MuDR (GB:M76978) [Arabidopsis thaliana]		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62965	Strand	-
Start	43531	End	45959
Name	OJ990709_11.9922.C1.o8.gs	Method	GENSCAN
Start	43531	End	45959
GI	none	Score	.51
Exons	43531..43591, 44200..44996, 45765..45959		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62966	Strand	-
Start	48498	End	48614
Name	OJ990709_11.9922.C1.o3.gp	Method	AAT/GAP
Start	48498	End	48614
GI	18187_1.R1084	Score	197
Exons	48498..48614		
GI Descrip.	'6016679/gb|AAF01506.1|AC009991_2 5.0e-30 (AC009991) putative		

nucleic acid binding protein [Arabidopsis thaliana]'

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62967	Strand	-
Start	66296	End	69223
Name	OJ990709_11.9922.C1.o10.gs	Method	GENSCAN
Start	66296	End	69217
GI	none	Score	.73
Exons	66296..66601, 67675..67824, 68501..69217		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62967	Strand	-
Start	66296	End	69223
Name	OJ990709_11.9922.C1.o9.np	Method	AAT/NAP
Start	66299	End	69223
GI	3252866	Score	753
Exons	66299..66601, 67675..67824, 68501..68524, 68561..68686, 68762..69223		
GI Descrip.	(AF033535) putative zinc transporter [Arabidopsis thaliana]		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o10.ts	Method	TBLASTX:Soybean
Start	15043	End	15381
GI	none	Score	203
Exons	15043..15381		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o11.ts	Method	TBLASTX:Soybean
Start	15791	End	16156
GI	none	Score	109
Exons	15791..16015, 16022..16156		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o2.tw	Method	TBLASTX:Wheat
Start	15953	End	16357
GI	none	Score	59
Exons	15953..16009, 15958..15999, 16004..16357, 16012..16314, 16013..16357		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o11.tm	Method	TBLASTX:Maize
Start	16007	End	16225
GI	none	Score	282
Exons	16007..16225, 16012..16224		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o2.tm	Method	TBLASTX:Maize

Start	16226	End	16687
GI	none	Score	544
Exons	16226..16687, 16226..16621, 16543..16686		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o11.tw	Method	TBLASTX:Wheat
Start	16358	End	16756
GI	none	Score	201
Exons	16358..16693, 16375..16485, 16655..16756		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o5.ts	Method	TBLASTX:Soybean
Start	16373	End	16843
GI	none	Score	211
Exons	16373..16654, 16411..16485, 16655..16843, 16699..16830		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o4.ts	Method	TBLASTX:Soybean
Start	16994	End	17406
GI	none	Score	149
Exons	16994..17131, 16996..17127, 17152..17406, 17153..17404		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o13.tw	Method	TBLASTX:Wheat
Start	17039	End	17437
GI	none	Score	80
Exons	17039..17128, 17168..17437		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o14.tm	Method	TBLASTX:Maize
Start	17624	End	18001
GI	none	Score	216
Exons	17624..18001		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o14.tw	Method	TBLASTX:Wheat
Start	17837	End	18130
GI	none	Score	140
Exons	17837..18001, 18026..18130		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o8.ts	Method	TBLASTX:Soybean
Start	17858	End	18256

GI	none	Score	232
Exons	17858..18256, 17962..18078		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o9.tw	Method	TBLASTX:Wheat
Start	18416	End	18823
GI	none	Score	229
Exons	18416..18823, 18424..18507, 18616..18789		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o7.ts	Method	TBLASTX:Soybean
Start	18599	End	18852
GI	none	Score	241
Exons	18599..18844, 18601..18732, 18811..18852		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o16.tm	Method	TBLASTX:Maize
Start	27844	End	28134
GI	none	Score	36
Exons	27844..27942, 27863..27955, 27938..28126, 27946..28134		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o5.tw	Method	TBLASTX:Wheat
Start	28213	End	28581
GI	none	Score	103
Exons	28213..28581, 28214..28444, 28219..28560		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o7.tm	Method	TBLASTX:Maize
Start	28306	End	28777
GI	none	Score	103
Exons	28306..28392, 28405..28776, 28589..28777		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o6.tw	Method	TBLASTX:Wheat
Start	28675	End	29226
GI	none	Score	269
Exons	28675..28773, 28819..28857, 28864..29226		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o6.ts	Method	TBLASTX:Soybean
Start	28849	End	29376
GI	none	Score	34

Exons	28849..28944, 29005..29376, 29017..29046, 29051..29167, 29219..29245		
Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	29017	End	29943
GI	none	Score	93
Exons	29017..29943, 29048..29254, 29321..29458, 29322..29459, 29540..29920		
Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o8.tw	Method	TBLASTX:Wheat
Start	29614	End	29889
GI	none	Score	171
Exons	29614..29889, 29618..29857		
Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o17.tm	Method	TBLASTX:Maize
Start	30082	End	30846
GI	none	Score	40
Exons	30082..30159, 30136..30327, 30301..30546, 30619..30795, 30814..30846		
Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o4.tw	Method	TBLASTX:Wheat
Start	30220	End	30631
GI	none	Score	114
Exons	30220..30561, 30221..30631		
Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o9.ts	Method	TBLASTX:Soybean
Start	32463	End	32801
GI	none	Score	205
Exons	32463..32801		
Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o13.tm	Method	TBLASTX:Maize,
Start	44451	End	44873
GI	none	Score	50
Exons	44451..44477, 44565..44825, 44829..44873		
Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o1.ts	Method	TBLASTX:Soybean

Start	45928	End	48951
GI	none	Score	84
Exons	45928..46008, 46128..46166, 46130..46168, 46259..46486, 46260..46304, 46359..46484, 48488..48562, 48498..48575, 48576..48623, 48721..48951, 48801..48950		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o10.tm	Method	TBLASTX:Maize
Start	45939	End	46487
GI	none	Score	107
Exons	45939..45974, 45940..46008, 46100..46168, 46103..46168, 46259..46486, 46260..46304, 46356..46487, 46359..46484		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o3.tc	Method	TBLASTX:Cress
Start	45940	End	46466
GI	none	Score	97
Exons	45940..46008, 46100..46168, 46259..46462, 46260..46304, 46359..46466		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o12.tw	Method	TBLASTX:Wheat
Start	46356	End	48618
GI	none	Score	194
Exons	46356..46487, 46359..46484, 48491..48565, 48498..48566, 48498..48566, 48582..48617, 48583..48618		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o2.tc	Method	TBLASTX:Cress
Start	48721	End	48960
GI	none	Score	64
Exons	48721..48801, 48780..48941, 48781..48960, 48801..48947		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o9.tm	Method	TBLASTX:Maize
Start	48753	End	48960
GI	none	Score	336
Exons	48753..48950, 48764..48955, 48769..48960		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o7.tw	Method	TBLASTX:Wheat
Start	48787	End	48975
GI	none	Score	298
Exons	48787..48975, 48788..48961, 48801..48974		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o3.tm	Method	TBLASTX:Maize
Start	54754	End	55439
GI	none	Score	61
Exons	54754..54792, 54755..54793, 54784..54870, 54787..55053, 54788..55093, 55013..55093, 55164..55439, 55323..55421, 55364..55438		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o8.tm	Method	TBLASTX:Maize
Start	55703	End	56599
GI	none	Score	116
Exons	55703..55786, 55704..55787, 55944..56183, 55946..56182, 56184..56216, 56187..56216, 56397..56582, 56398..56574, 56400..56591, 56405..56584, 56408..56599		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o1.tw	Method	TBLASTX:Wheat
Start	56736	End	57135
GI	none	Score	503
Exons	56736..56909, 56737..57135, 56991..57128		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o5.tm	Method	TBLASTX:Maize
Start	56752	End	57110
GI	none	Score	419
Exons	56752..57108, 56754..56909, 56991..57110		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o4.tc	Method	TBLASTX:Cress
Start	56914	End	57360
GI	none	Score	74
Exons	56914..56991, 57001..57180, 57283..57360		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o2.ts	Method	TBLASTX:Soybean
Start	66291	End	67825
GI	none	Score	201
Exons	66291..66602, 66296..66604, 67630..67770, 67663..67809, 67667..67825		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o1.tc	Method	TBLASTX:Cress

Start	66296	End	69073
GI	none	Score	92
Exons	66296..66505, 66300..66539, 66513..66584, 67630..67770, 67682..67825, 68762..68848, 68847..69047, 68870..69073		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o6.tm	Method	TBLASTX:Maize
Start	66296	End	67728
GI	none	Score	348
Exons	66296..66607, 66297..66602, 66443..66607, 67619..67726, 67630..67728, 67660..67728		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o12.tm	Method	TBLASTX:Maize
Start	68759	End	69073
GI	none	Score	175
Exons	68759..68845, 68873..69073, 68874..69062, 68972..69073		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o3.ts	Method	TBLASTX:Soybean
Start	68762	End	69070
GI	none	Score	146
Exons	68762..68857, 68870..69070, 68871..69053		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62968	Strand	-
Start	69487	End	70344
Name	OJ990709_11.9922.C1.o11.gs	Method	GENSCAN
Start	69487	End	70344
GI	none	Score	.59
Exons	69487..69649, 70280..70344		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62969	Strand	
Start	71043	End	71810
Name	OJ990709_11.9922.C1.o10.tw	Method	TBLASTX:Wheat
Start	71043	End	71351
GI	none	Score	218
Exons	71043..71351, 71048..71326		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62969	Strand	
Start	71043	End	71810
Name	OJ990709_11.9922.C1.o4.tm	Method	TBLASTX:Maize
Start	71202	End	71627
GI	none	Score	472
Exons	71202..71627, 71208..71504, 71489..71626, 71547..71627		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62969	Strand	
Start	71043	End	71810

Name	OJ990709_11.9922.C1.o3.tw	Method	TBLASTX:Wheat
Start	71358	End	71765
GI	none	Score	456
Exons	71358..71759, 71361..71765, 71492..71764		

Seq. No.	30452	Seq. ID	OJ990709_11.9922.C1
Gene No.	62969	Strand	
Start	71043	End	71810
Name	OJ990709_11.9922.C1.o15.tm	Method	TBLASTX:Maize
Start	71628	End	71810
GI	none	Score	214
Exons	71628..71810, 71685..71789, 71720..71806		

Seq. No.	30453	Seq. ID	OJ990709_11.9922.C2
Gene No.	62970	Strand	+
Start	26	End	290
Name	OJ990709_11.9922.C2.o1.tc	Method	TBLASTX:Cress
Start	1	End	109
GI	none	Score	166
Exons	1..108, 2..109, 2..109		

Seq. No.	30453	Seq. ID	OJ990709_11.9922.C2
Gene No.	62970	Strand	+
Start	26	End	290
Name	OJ990709_11.9922.C2.o1.gs	Method	GENSCAN
Start	26	End	263
GI	none	Score	.91
Exons	26..263		

Seq. No.	30453	Seq. ID	OJ990709_11.9922.C2
Gene No.	62970	Strand	+
Start	26	End	290
Name	OJ990709_11.9922.C2.o1.np	Method	AAT/NAP
Start	69	End	290
GI	1196998	Score	362
Exons	69..290		
GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi|5103202|dbj|BAA78838.1| (AP000342) transposase of Tn10 [Plasmid R100] gi|5706382|dbj|BAA83097.1| (AB026428) transposase [Methylomonas aminofaciens] gi|5738092|gb|AAD50250.1|AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi|6721110|gb|AAF26764.1|AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana]		

Seq. No.	30454	Seq. ID	OJ990709_11.9922.C3
Gene No.	62971	Strand	+
Start	70	End	3107
Name	OJ990709_11.9922.C3.o1.np	Method	AAT/NAP
Start	70	End	3107
GI	4680179	Score	772
Exons	70..90, 1181..2184, 3039..3107		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	30454	Seq. ID	OJ990709_11.9922.C3
Gene No.	62971	Strand	+
Start	70	End	3107
Name	OJ990709_11.9922.C3.o1.gs	Method	GENSCAN

Start	1135	End	2250
GI	none	Score	.86
Exons	1135..2250		

Seq. No.	30454	Seq. ID	OJ990709_11.9922.C3
Gene No.	62972	Strand	-
Start	320	End	597
Name	OJ990709_11.9922.C3.o1.gp	Method	AAT/GAP
Start	320	End	597
GI	61605_1.R1084	Score	490
Exons	320..597		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	30454	Seq. ID	OJ990709_11.9922.C3
Gene No.	62973	Strand	
Start	1297	End	1824
Name	OJ990709_11.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	1297	End	1653
GI	none	Score	284
Exons	1297..1653, 1306..1470, 1504..1650, 1512..1652		

Seq. No.	30454	Seq. ID	OJ990709_11.9922.C3
Gene No.	62973	Strand	
Start	1297	End	1824
Name	OJ990709_11.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	1534	End	1824
GI	none	Score	212
Exons	1534..1797, 1537..1716, 1557..1721, 1762..1824		

Seq. No.	30455	Seq. ID	OJ990709_11.9922.C5
Gene No.	62974	Strand	+
Start	1	End	413
Name	OJ990709_11.9922.C5.o1.gp	Method	AAT/GAP
Start	1	End	413
GI	7406_1.R1084	Score	542
Exons	1..304, 339..413		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	30455	Seq. ID	OJ990709_11.9922.C5
Gene No.	62975	Strand	-
Start	607	End	5683
Name	OJ990709_11.9922.C5.o2.gp	Method	AAT/GAP
Start	356	End	809
GI	LIB3431-045-P1-N1-A10	Score	836
Exons	356..809		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	30455	Seq. ID	OJ990709_11.9922.C5
Gene No.	62975	Strand	-
Start	607	End	5683
Name	OJ990709_11.9922.C5.o1.gs	Method	GENSCAN
Start	607	End	5547
GI	none	Score	.52
Exons	607..794, 945..1147, 1152..1199, 1263..1394, 1641..1738,		

1846..1890, 1983..2241, 2318..2616, 2706..3116, 3201..3537, 3643..3793, 4177..5547

Seq. No.	30455	Seq. ID	OJ990709_11.9922.C5
Gene No.	62975	Strand	-
Start	607	End	5683
Name	OJ990709_11.9922.C5.o1.np	Method	AAT/NAP
Start	913	End	5683
GI	5441880	Score	3640
Exons	913..1147, 1263..1394, 1641..1738, 1983..2241, 2318..2616, 3201..3537, 3643..3793, 4297..4612, 4871..4902, 5347..5683		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	30455	Seq. ID	OJ990709_11.9922.C5
Gene No.	62975	Strand	-
Start	607	End	5683
Name	OJ990709_11.9922.C5.o3.gp	Method	AAT/GAP
Start	1991	End	2490
GI	LIB3475-007-P1-K1-G8	Score	801
Exons	1991..2241, 2318..2490		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	30455	Seq. ID	OJ990709_11.9922.C5
Gene No.	62975	Strand	-
Start	607	End	5683
Name	OJ990709_11.9922.C5.o1.tw	Method	TBLASTX:Wheat
Start	5117	End	5497
GI	none	Score	78
Exons	5117..5293, 5147..5293, 5178..5297, 5291..5488, 5303..5497		

Seq. No.	30455	Seq. ID	OJ990709_11.9922.C5
Gene No.	62975	Strand	-
Start	607	End	5683
Name	OJ990709_11.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	5195	End	5629
GI	none	Score	151
Exons	5195..5266, 5330..5629, 5391..5612		

Seq. No.	30455	Seq. ID	OJ990709_11.9922.C5
Gene No.	62975	Strand	-
Start	607	End	5683
Name	OJ990709_11.9922.C5.o4.gp	Method	AAT/GAP
Start	5317	End	5683
GI	5701669	Score	723
Exons	5317..5683		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	30456	Seq. ID	OJ990709_10.9919.C1
Gene No.	62976	Strand	+
Start	646	End	1179
Name	OJ990709_10.9919.C1.o1.gs	Method	GENSCAN

Start	646	End	1179
GI	none	Score	.44
Exons	646..717, 874..1179		

Seq. No.	30456	Seq. ID	OJ990709_10.9919.C1
Gene No.	62977	Strand	-
Start	1	End	2243
Name	OJ990709_10.9919.C1.o1.np	Method	AAT/NAP
Start	1	End	2243
GI	4680203	Score	99
Exons	1..57, 2053..2243		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	30456	Seq. ID	OJ990709_10.9919.C1
Gene No.	62977	Strand	-
Start	1	End	2243
Name	OJ990709_10.9919.C1.o2.gs	Method	GENSCAN
Start	1584	End	1892
GI	none	Score	.55
Exons	1584..1892		

Seq. No.	30457	Seq. ID	OJ990709_10.9919.C2
Gene No.	62978	Strand	+
Start	7089	End	7463
Name	OJ990709_10.9919.C2.o2.gs	Method	GENSCAN
Start	7089	End	7463
GI	none	Score	.92
Exons	7089..7242, 7384..7463		

Seq. No.	30457	Seq. ID	OJ990709_10.9919.C2
Gene No.	62979	Strand	+
Start	8028	End	8540
Name	OJ990709_10.9919.C2.o1.gp	Method	AAT/GAP
Start	8028	End	8540
GI	LIB3432-059-P1-K1-D8	Score	729
Exons	8028..8443, 8503..8540		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	30457	Seq. ID	OJ990709_10.9919.C2
Gene No.	62980	Strand	-
Start	409	End	7234
Name	OJ990709_10.9919.C2.o1.gs	Method	GENSCAN
Start	409	End	6464
GI	none	Score	.92
Exons	409..530, 969..1127, 2275..2457, 3142..3330, 3437..6464		

Seq. No.	30457	Seq. ID	OJ990709_10.9919.C2
Gene No.	62980	Strand	-
Start	409	End	7234
Name	OJ990709_10.9919.C2.o1.np	Method	AAT/NAP
Start	2981	End	6452
GI	2586083	Score	1859
Exons	2981..3330, 3437..5551, 5984..6452		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	30457	Seq. ID	OJ990709_10.9919.C2

Gene No.	62980	Strand	-
Start	409	End	7234
Name	OJ990709_10.9919.C2.o2.np	Method	AAT/NAP
Start	5274	End	7234
GI	1710124	Score	287
Exons	5274..5551, 5984..6399, 7185..7234		
GI Descrip.	(U62279) leucine-rich repeat-containing extracellular glycoprotein; contains six N-glycosylation sites [NX(S/T)] [Sorghum bicolor]		

Seq. No.	30457	Seq. ID	OJ990709_10.9919.C2
Gene No.	62981	Strand	-
Start	8419	End	8508
Name	OJ990709_10.9919.C2.o3.tm	Method	TBLASTX:Maize
Start	3050	End	3332
GI	none	Score	60
Exons	3050..3127, 3060..3119, 3119..3331, 3138..3332		

Seq. No.	30457	Seq. ID	OJ990709_10.9919.C2
Gene No.	62981	Strand	-
Start	8419	End	8508
Name	OJ990709_10.9919.C2.o1.ts	Method	TBLASTX:Soybean
Start	3146	End	4028
GI	none	Score	75
Exons	3146..3331, 3213..3332, 3438..3488, 3439..3468, 3504..3704, 3523..3693, 3714..3920, 3727..3921, 3939..4028, 3940..4011		

Seq. No.	30457	Seq. ID	OJ990709_10.9919.C2
Gene No.	62981	Strand	-
Start	8419	End	8508
Name	OJ990709_10.9919.C2.o1.tc	Method	TBLASTX:Cress
Start	3221	End	6344
GI	none	Score	64
Exons	3221..3301, 3221..3331, 3522..3686, 3523..3666, 3720..3788, 3792..3872, 4227..4256, 4276..4542, 4302..4796, 4371..4628, 4371..4628, 4374..4631, 4374..4622, 4374..4427, 4374..4631, 4377..4634, 4428..4628, 4440..4628, 4509..4631, 4516..4632, 4519..4608, 4635..5009, 4635..5003, 4638..5009, 4657..4689, 4665..5009, 4665..4991, 4665..4985, 4728..5006, 4749..4940, 4810..4905, 4821..5084, 4863..5003, 5004..5093, 5121..5306, 5178..5306, 5187..5297, 5187..5264, 5313..5480, 5322..5474, 5382..5444, 5460..5762, 5541..6176, 5541..6056, 5545..5727, 5553..5744, 5613..6056, 5613..5909, 5742..6227, 5743..5991, 5748..6050, 5778..5951, 5823..5921, 5904..6182, 5922..6050, 6033..6236, 6117..6242, 6117..6221, 6120..6236, 6246..6299, 6291..6344		

Seq. No.	30457	Seq. ID	OJ990709_10.9919.C2
Gene No.	62981	Strand	-
Start	8419	End	8508
Name	OJ990709_10.9919.C2.o2.tw	Method	TBLASTX:Wheat
Start	3234	End	3686
GI	none	Score	64
Exons	3234..3332, 3242..3331, 3438..3467, 3516..3686, 3520..3603		

Seq. No.	30457	Seq. ID	OJ990709_10.9919.C2
Gene No.	62981	Strand	-

Start	8419	End	8508
Name	OJ990709_10.9919.C2.o1.tm	Method	TBLASTX:Maize
Start	3444	End	3888
GI	none	Score	229
Exons	3444..3887, 3451..3888		

Seq. No.	30457	Seq. ID	OJ990709_10.9919.C2
Gene No.	62981	Strand	-
Start	8419	End	8508
Name	OJ990709_10.9919.C2.o2.ts	Method	TBLASTX:Soybean
Start	4182	End	6239
GI	none	Score	66
Exons	4182..4634, 4371..4631, 4371..4643, 4374..5000, 4374..4622, 4374..4628, 4374..4628, 4374..4742, 4447..4668, 4447..4608, 4635..4928, 4638..4976, 4662..5006, 4665..5078, 4665..5003, 4665..5000, 4686..4763, 4689..4814, 4738..4893, 4738..4965, 4738..4965, 4807..4986, 4845..4958, 4878..4976, 5004..5078, 5005..5061, 5013..5093, 5178..5480, 5178..5297, 5248..5274, 5313..5480, 5313..5402, 5325..5480, 5389..5493, 5538..5741, 5541..6056, 5541..5996, 5541..5816, 5613..6011, 5613..5948, 5652..6056, 5703..6056, 5715..5834, 5754..6056, 5758..5919, 5821..5925, 5826..5888, 5829..6227, 6114..6236, 6117..6239, 6117..6230		

Seq. No.	30457	Seq. ID	OJ990709_10.9919.C2
Gene No.	62981	Strand	-
Start	8419	End	8508
Name	OJ990709_10.9919.C2.o2.tm	Method	TBLASTX:Maize
Start	4300	End	6239
GI	none	Score	60
Exons	4300..4464, 4371..4610, 4374..4634, 4446..5006, 4656..4895, 4726..4965, 4809..5093, 4810..4905, 4921..4998, 5178..5480, 5541..5918, 5658..6056, 5686..5727, 5703..6056, 5755..5985, 5757..5939, 5829..6011, 5904..6056, 6117..6239		

Seq. No.	30457	Seq. ID	OJ990709_10.9919.C2
Gene No.	62981	Strand	-
Start	8419	End	8508
Name	OJ990709_10.9919.C2.o1.tw	Method	TBLASTX:Wheat
Start	4467	End	6020
GI	none	Score	80
Exons	4467..4622, 4504..4602, 4611..4856, 4710..4931, 4755..5171, 5178..5393, 5343..5480, 5541..5669, 5631..5876, 5775..6020		

Seq. No.	30457	Seq. ID	OJ990709_10.9919.C2
Gene No.	62981	Strand	-
Start	8419	End	8508
Name	OJ990709_10.9919.C2.o2.gp	Method	AAT/GAP
Start	8419	End	8508
GI	LIB3477-003-P1-K1-E9	Score	131
Exons	8419..8508		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	30458	Seq. ID	OJ990709_10.9919.C3
Gene No.	62982	Strand	+

Start	648	End	2916
Name	OJ990709_10.9919.C3.o1.gs	Method	GENSCAN
Start	648	End	2916
GI	none	Score	.61
Exons	648..889, 917..1008, 1387..1799, 2230..2350, 2837..2916		

Seq. No.	30458	Seq. ID	OJ990709_10.9919.C3
Gene No.	62983	Strand	+
Start	9255	End	9907
Name	OJ990709_10.9919.C3.o1.gp	Method	AAT/GAP
Start	9223	End	9907
GI	none	Score	1019
Exons	9223..9393, 9535..9907		

Seq. No.	30458	Seq. ID	OJ990709_10.9919.C3
Gene No.	62983	Strand	+
Start	9255	End	9907
Name	OJ990709_10.9919.C3.o3.gs	Method	GENSCAN
Start	9255	End	9687
GI	none	Score	.83
Exons	9255..9393, 9554..9687		

Seq. No.	30458	Seq. ID	OJ990709_10.9919.C3
Gene No.	62984	Strand	-
Start	4473	End	8465
Name	OJ990709_10.9919.C3.o1.np	Method	AAT/NAP
Start	4473	End	8465
GI	2586083	Score	1826
Exons	4473..4822, 4929..7067, 7500..7878, 8390..8465		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	30458	Seq. ID	OJ990709_10.9919.C3
Gene No.	62985	Strand	-
Start	10628	End	13939
Name	OJ990709_10.9919.C3.o3.tm	Method	TBLASTX:Maize
Start	4542	End	12079
GI	none	Score	61
Exons	4542..4631, 4552..4632, 4611..4862, 4615..4824, 11750..11845, 11837..12079, 11874..12032		

Seq. No.	30458	Seq. ID	OJ990709_10.9919.C3
Gene No.	62985	Strand	-
Start	10628	End	13939
Name	OJ990709_10.9919.C3.o1.ts	Method	TBLASTX:Soybean
Start	4638	End	12736
GI	none	Score	80
Exons	4638..4823, 4705..4824, 4930..4980, 4931..4960, 5008..5196, 5015..5185, 5206..5412, 5225..5413, 5431..5520, 5432..5503, 11846..12031, 11913..12032, 12146..12217, 12147..12176, 12206..12412, 12228..12380, 12239..12415, 12431..12628, 12434..12616, 12444..12629, 12647..12736, 12648..12719		

Seq. No.	30458	Seq. ID	OJ990709_10.9919.C3
Gene No.	62985	Strand	-
Start	10628	End	13939
Name	OJ990709_10.9919.C3.o1.tc	Method	TBLASTX:Cress
Start	4716	End	13939

GI	none	Score	63
Exons	4716..4832, 4999..5202, 5018..5194, 5308..5412, 5440..5568, 5746..6126, 5791..6120, 5861..6031, 5863..6120, 5866..6120, 5866..6120, 5869..6126, 5869..6126, 6124..6498, 6127..6516, 6127..6483, 6130..6489, 6130..6384, 6145..6516, 6148..6498, 6148..6492, 6157..6225, 6220..6495, 6227..6505, 6230..6391, 6232..6495, 6290..6490, 6290..6397, 6361..6477, 6374..6490, 6499..6567, 6514..6600, 6622..6666, 6670..6798, 6670..6780, 6670..6780, 6802..6975, 6805..6972, 6805..6972, 6805..6972, 6805..6972, 6805..6972, 6808..6972, 6808..6972, 6808..6972, 6808..6972, 6814..6972, 7033..7542, 7033..7320, 7033..7515, 7033..7446, 7033..7359, 7036..7431, 7100..7426, 7105..7542, 7108..7542, 7178..7426, 7178..7345, 7178..7555, 7180..7620, 7187..7426, 7252..7437, 7309..7512, 7316..7549, 11924..12031, 12221..12418, 12524..12628, 12656..12778, 12983..13363, 13006..13065, 13091..13357, 13094..13360, 13094..13357, 13100..13216, 13103..13372, 13103..13258, 13244..13357, 13361..13588, 13364..13753, 13364..13720, 13367..13726, 13367..13627, 13382..13753, 13385..13729, 13394..13735, 13394..13735, 13397..13732, 13457..13732, 13520..13729, 13578..13730, 13592..13735, 13736..13804, 13751..13831, 13907..13939		

Seq. No.	30458	Seq. ID	OJ990709_10.9919.C3
Gene No.	62985	Strand	-
Start	10628	End	13939
Name	OJ990709_10.9919.C3.o2.tw	Method	TBLASTX:Wheat
Start	4726	End	12379
GI	none	Score	70
Exons	4726..4824, 4734..4823, 4930..4965, 5008..5178, 5012..5098, 11942..12031, 12146..12175, 12224..12379		

Seq. No.	30458	Seq. ID	OJ990709_10.9919.C3
Gene No.	62985	Strand	-
Start	10628	End	13939
Name	OJ990709_10.9919.C3.o1.tm	Method	TBLASTX:Maize
Start	4936	End	12596
GI	none	Score	236
Exons	4936..5379, 4943..5380, 12152..12595, 12240..12371, 12411..12596		

Seq. No.	30458	Seq. ID	OJ990709_10.9919.C3
Gene No.	62985	Strand	-
Start	10628	End	13939
Name	OJ990709_10.9919.C3.o2.ts	Method	TBLASTX:Soybean
Start	5798	End	13837
GI	none	Score	122
Exons	5798..6094, 5863..6120, 5866..6123, 5866..6120, 5866..6120, 5866..6120, 5941..6123, 6007..6123, 6124..6498, 6127..6504, 6130..6498, 6130..6489, 6154..6228, 6227..6508, 6230..6397, 6230..6358, 6232..6495, 6280..6495, 6299..6496, 6466..6585, 6487..6591, 6505..6585, 6514..6600, 6670..6780, 6670..6780, 6671..6772, 6805..7368, 6805..6945, 6808..6975, 6812..7129, 6814..6972, 7033..7542, 7033..7512, 7033..7542, 7036..7542, 7096..7542, 7100..7477, 7169..7273, 7250..7417, 7252..7719, 7304..7426, 7316..7549, 7387..7464, 13028..13360, 13028..13258, 13031..13363, 13091..13357, 13091..13357, 13098..13358, 13106..13357, 13361..13708, 13364..13741, 13367..13726,		

13394..13732, 13394..13735, 13397..13732, 13703..13822,
13724..13837, 13742..13822

Seq. No.	30458	Seq. ID	OJ990709_10.9919.C3
Gene No.	62985	Strand	-
Start	10628	End	13939
Name	OJ990709_10.9919.C3.o1.tw	Method	TBLASTX:Wheat
Start	5863	End	13901
GI	none	Score	69
Exons	5863..5985, 5959..6114, 5996..6097, 6202..6423, 6220..6288, 6247..6663, 6415..6603, 6670..6885, 6835..6972, 7033..7161, 7147..7245, 7150..7368, 7195..7440, 7414..7542, 7456..7536, 13094..13258, 13340..13558, 13484..13900, 13539..13901		

Seq. No.	30458	Seq. ID	OJ990709_10.9919.C3
Gene No.	62985	Strand	-
Start	10628	End	13939
Name	OJ990709_10.9919.C3.o2.tm	Method	TBLASTX:Maize
Start	5866	End	13795
GI	none	Score	63
Exons	5866..6126, 5866..6120, 6010..6114, 6064..6120, 6130..6342, 6148..6492, 6217..6483, 6283..6492, 6371..6493, 6374..6466, 6502..6570, 6670..6774, 6670..6792, 6808..6972, 6808..6972, 6808..6972, 6812..6973, 7033..7503, 7033..7437, 7093..7542, 7103..7477, 7168..7425, 7169..7426, 7178..7648, 7234..7515, 7247..7417, 7463..7696, 13031..13150, 13091..13258, 13163..13357, 13170..13376, 13367..13576, 13376..13735, 13394..13729, 13394..13648, 13457..13720, 13520..13732, 13601..13714, 13739..13795		

Seq. No.	30458	Seq. ID	OJ990709_10.9919.C3
Gene No.	62985	Strand	-
Start	10628	End	13939
Name	OJ990709_10.9919.C3.o4.gs	Method	GENSCAN
Start	10628	End	12751
GI	none	Score	.76
Exons	10628..10741, 11822..12030, 12145..12751		

Seq. No.	30459	Seq. ID	OJ990709_10.9919.C4
Gene No.	62986	Strand	+
Start	2776	End	3079
Name	OJ990709_10.9919.C4.o2.gs	Method	GENSCAN
Start	2776	End	3079
GI	none	Score	.42
Exons	2776..2818, 2859..3079		

Seq. No.	30459	Seq. ID	OJ990709_10.9919.C4
Gene No.	62987	Strand	+
Start	4881	End	6988
Name	OJ990709_10.9919.C4.o3.gs	Method	GENSCAN
Start	4881	End	6988
GI	none	Score	.72
Exons	4881..4957, 5395..5489, 6864..6988		

Seq. No.	30459	Seq. ID	OJ990709_10.9919.C4
Gene No.	62988	Strand	-
Start	1	End	2627

Name	OJ990709_10.9919.C4.o1.np	Method	AAT/NAP
Start	1	End	2621
GI	6539553	Score	4351
Exons	1..2621		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	30459	Seq. ID	OJ990709_10.9919.C4
Gene No.	62988	Strand	-
Start	1	End	2627
Name	OJ990709_10.9919.C4.o1.tw	Method	TBLASTX:Wheat
Start	133	End	887
GI	none	Score	200
Exons	133..372, 134..292, 150..380, 153..350, 401..787, 424..786, 763..879, 786..887		

Seq. No.	30459	Seq. ID	OJ990709_10.9919.C4
Gene No.	62988	Strand	-
Start	1	End	2627
Name	OJ990709_10.9919.C4.o1.gs	Method	GENSCAN
Start	151	End	2528
GI	none	Score	.43
Exons	151..236, 770..2528		

Seq. No.	30459	Seq. ID	OJ990709_10.9919.C4
Gene No.	62988	Strand	-
Start	1	End	2627
Name	OJ990709_10.9919.C4.o1.ts	Method	TBLASTX:Soybean
Start	538	End	935
GI	none	Score	47
Exons	538..711, 563..622, 665..709, 712..789, 775..927, 795..935		

Seq. No.	30459	Seq. ID	OJ990709_10.9919.C4
Gene No.	62988	Strand	-
Start	1	End	2627
Name	OJ990709_10.9919.C4.o3.tm	Method	TBLASTX:Maize
Start	724	End	1157
GI	none	Score	76
Exons	724..798, 795..1157, 796..948		

Seq. No.	30459	Seq. ID	OJ990709_10.9919.C4
Gene No.	62988	Strand	-
Start	1	End	2627
Name	OJ990709_10.9919.C4.o3.tw	Method	TBLASTX:Wheat
Start	888	End	1080
GI	none	Score	186
Exons	888..1079, 888..1079, 889..1080, 1009..1080		

Seq. No.	30459	Seq. ID	OJ990709_10.9919.C4
Gene No.	62988	Strand	-
Start	1	End	2627
Name	OJ990709_10.9919.C4.o2.ts	Method	TBLASTX:Soybean
Start	945	End	1331
GI	none	Score	85
Exons	945..1169, 1176..1331		

Seq. No.	30459	Seq. ID	OJ990709_10.9919.C4
Gene No.	62988	Strand	-
Start	1	End	2627
Name	OJ990709_10.9919.C4.o1.tm	Method	TBLASTX:Maize
Start	1358	End	1680
GI	none	Score	392
Exons	1358..1525, 1359..1673, 1360..1653, 1426..1680		

Seq. No.	30459	Seq. ID	OJ990709_10.9919.C4
Gene No.	62988	Strand	-
Start	1	End	2627
Name	OJ990709_10.9919.C4.o2.tm	Method	TBLASTX:Maize
Start	2179	End	2492
GI	none	Score	252
Exons	2179..2484, 2181..2492		

Seq. No.	30459	Seq. ID	OJ990709_10.9919.C4
Gene No.	62988	Strand	-
Start	1	End	2627
Name	OJ990709_10.9919.C4.o2.tw	Method	TBLASTX:Wheat
Start	2241	End	2627
GI	none	Score	129
Exons	2241..2627, 2244..2444, 2251..2616		

Seq. No.	30460	Seq. ID	OJ990709_10.9919.C5
Gene No.	62989	Strand	-
Start	1885	End	2138
Name	OJ990709_10.9919.C5.o1.gs	Method	GENSCAN
Start	1885	End	2138
GI	none	Score	.95
Exons	1885..2138		

Seq. No.	30461	Seq. ID	OJ990709_10.9919.C7
Gene No.	62990	Strand	+
Start	1	End	860
Name	OJ990709_10.9919.C7.o1.np	Method	AAT/NAP
Start	1	End	860
GI	2191187	Score	306
Exons	1..565, 646..860		
GI Descrip.	(AF007271) contains similarity to a DNAJ-like domain [Arabidopsis thaliana]		

Seq. No.	30461	Seq. ID	OJ990709_10.9919.C7
Gene No.	62990	Strand	+
Start	1	End	860
Name	OJ990709_10.9919.C7.o1.gs	Method	GENSCAN
Start	53	End	794
GI	none	Score	.53
Exons	53..565, 646..794		

Seq. No.	30461	Seq. ID	OJ990709_10.9919.C7
Gene No.	62990	Strand	+
Start	1	End	860
Name	OJ990709_10.9919.C7.o1.tm	Method	TBLASTX:Maize
Start	235	End	765
GI	none	Score	284

Exons 235..384, 242..568, 424..582, 613..765, 645..764

Seq. No.	30462	Seq. ID	OJ990709_10.9919.C8
Gene No.	62991	Strand	+
Start	355	End	1104
Name	OJ990709_10.9919.C8.o1.gs	Method	GENSCAN
Start	355	End	1104
GI	none	Score	.5
Exons	355..630, 712..1104		

Seq. No.	30462	Seq. ID	OJ990709_10.9919.C8
Gene No.	62992	Strand	+
Start	11059	End	14539
Name	OJ990709_10.9919.C8.o1.np	Method	AAT/NAP
Start	11059	End	14539
GI	6522590	Score	1706
Exons	11059..11560, 11921..14065, 14170..14539		
GI Descrip.	(AL133292) receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	30462	Seq. ID	OJ990709_10.9919.C8
Gene No.	62993	Strand	-
Start	2469	End	3301
Name	OJ990709_10.9919.C8.o2.gs	Method	GENSCAN
Start	2469	End	3301
GI	none	Score	.59
Exons	2469..2590, 2688..2768, 2971..3087, 3196..3301		

Seq. No.	30462	Seq. ID	OJ990709_10.9919.C8
Gene No.	62994	Strand	-
Start	15507	End	17454
Name	OJ990709_10.9919.C8.o3.tm	Method	TBLASTX:Maize
Start	343	End	753
GI	none	Score	245
Exons	343..630, 343..519, 712..753		

Seq. No.	30462	Seq. ID	OJ990709_10.9919.C8
Gene No.	62994	Strand	-
Start	15507	End	17454
Name	OJ990709_10.9919.C8.o2.ts	Method	TBLASTX:Soybean
Start	11246	End	13248
GI	none	Score	73
Exons	11246..11386, 11276..11743, 11344..11532, 11453..11959, 11483..11962, 11642..12190, 11938..12048, 11989..12189, 12020..12109, 12023..12187, 12023..12232, 12038..12112, 12197..12379, 12197..12325, 12202..12336, 12203..12325, 12206..12325, 12215..12325, 12229..12324, 12278..12430, 12395..12508, 12491..12865, 12497..12847, 12500..12865, 12500..12835, 12512..12865, 12524..12865, 12538..12696, 12538..12621, 12538..12636, 12598..12837, 12841..12921, 12841..13200, 12844..13203, 12847..13248, 12871..13203, 12879..13130		

Seq. No.	30462	Seq. ID	OJ990709_10.9919.C8
Gene No.	62994	Strand	-
Start	15507	End	17454
Name	OJ990709_10.9919.C8.o1.tc	Method	TBLASTX:Cress
Start	11261	End	14276

GI	none	Score	70
Exons	11261..11383, 11267..11386, 11276..11386, 11453..11959, 11453..11743, 11453..11962, 11453..11746, 11453..11749, 11480..11962, 11483..11686, 11564..12190, 11590..11889, 11590..11691, 11627..11818, 11693..11962, 11800..12105, 11858..11962, 11909..12190, 11920..12141, 11935..12189, 11935..12177, 12020..12181, 12020..12190, 12020..12178, 12020..12115, 12023..12232, 12023..12193, 12196..12330, 12197..12379, 12197..12325, 12197..12325, 12197..12325, 12203..12325, 12206..12325, 12206..12325, 12214..12324, 12215..12325, 12220..12375, 12227..12379, 12229..12324, 12401..12481, 12404..12508, 12410..12499, 12479..12865, 12479..12850, 12497..12847, 12497..12847, 12500..12763, 12500..12766, 12503..12847, 12503..12712, 12512..12865, 12512..12865, 12524..12619, 12535..12837, 12538..12786, 12538..12726, 12605..12865, 12610..12837, 12758..12838, 12800..12865, 12844..12987, 12844..13203, 12856..13200, 12868..13248, 12874..13251, 12874..13197, 12934..13134, 12966..13199, 12988..13062, 13015..13200, 13041..13244, 13474..13554, 13582..13686, 13810..13980, 14169..14276		

Seq. No.	30462	Seq. ID	OJ990709_10.9919.C8
Gene No.	62994	Strand	-
Start	15507	End	17454
Name	OJ990709_10.9919.C8.o2.tm	Method	TBLASTX:Maize
Start	11267	End	13203
GI	none	Score	65
Exons	11267..11386, 11276..11386, 11276..11653, 11297..11386, 11453..11872, 11453..11959, 11474..11962, 11546..12181, 11786..11818, 11909..12190, 11929..12189, 12020..12187, 12020..12187, 12023..12187, 12023..12190, 12197..12325, 12206..12325, 12206..12325, 12215..12325, 12220..12330, 12407..12499, 12479..12865, 12497..12847, 12500..12748, 12512..12865, 12512..12865, 12513..12563, 12527..12817, 12535..12636, 12607..12699, 12844..13197, 12871..13203, 12874..13110, 12874..13200, 12874..13200, 12900..13070, 13113..13202		

Seq. No.	30462	Seq. ID	OJ990709_10.9919.C8
Gene No.	62994	Strand	-
Start	15507	End	17454
Name	OJ990709_10.9919.C8.o1.tw	Method	TBLASTX:Wheat
Start	11282	End	13203
GI	none	Score	60
Exons	11282..11386, 11321..11386, 11459..11539, 11555..11623, 11834..11962, 11915..12160, 12020..12232, 12022..12138, 12107..12325, 12197..12325, 12392..12721, 12575..12793, 12841..13035, 13009..13203		

Seq. No.	30462	Seq. ID	OJ990709_10.9919.C8
Gene No.	62994	Strand	-
Start	15507	End	17454
Name	OJ990709_10.9919.C8.o1.ts	Method	TBLASTX:Soybean
Start	13474	End	14354
GI	none	Score	88
Exons	13474..13563, 13581..13769, 13582..13779, 13801..14025, 13803..13985, 14020..14064, 14034..14063, 14168..14344,		

14169..14354

Seq. No.	30462	Seq. ID	OJ990709_10.9919.C8
Gene No.	62994	Strand	-
Start	15507	End	17454
Name	OJ990709_10.9919.C8.o1.tm	Method	TBLASTX:Maize
Start	13615	End	14058
GI	none	Score	428
Exons	13615..14058, 13830..13970		

Seq. No.	30462	Seq. ID	OJ990709_10.9919.C8
Gene No.	62994	Strand	-
Start	15507	End	17454
Name	OJ990709_10.9919.C8.o2.tw	Method	TBLASTX:Wheat
Start	13831	End	14266
GI	none	Score	132
Exons	13831..13986, 14035..14064, 14168..14266, 14169..14258		

Seq. No.	30462	Seq. ID	OJ990709_10.9919.C8
Gene No.	62994	Strand	-
Start	15507	End	17454
Name	OJ990709_10.9919.C8.o4.tm	Method	TBLASTX:Maize
Start	14168	End	14464
GI	none	Score	177
Exons	14168..14368, 14169..14351, 14191..14370, 14355..14459, 14360..14458, 14366..14464		

Seq. No.	30462	Seq. ID	OJ990709_10.9919.C8
Gene No.	62994	Strand	-
Start	15507	End	17454
Name	OJ990709_10.9919.C8.o5.gs	Method	GENSCAN
Start	15507	End	17454
GI	none	Score	.68
Exons	15507..15707, 15739..15837, 16025..16097, 16168..16431, 17265..17454		

Seq. No.	30463	Seq. ID	OJ990709_10.9919.C9
Gene No.	62995	Strand	+
Start	416	End	536
Name	OJ990709_10.9919.C9.o1.gs	Method	GENSCAN
Start	416	End	536
GI	none	Score	.87
Exons	416..536		

Seq. No.	30463	Seq. ID	OJ990709_10.9919.C9
Gene No.	62996	Strand	+
Start	5998	End	6597
Name	OJ990709_10.9919.C9.o1.np	Method	AAT/NAP
Start	5998	End	6597
GI	6522592	Score	303
Exons	5998..6597		
GI Descrip.	(AL133292) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	30463	Seq. ID	OJ990709_10.9919.C9
Gene No.	62997	Strand	-
Start	1110	End	3995

Name	OJ990709_10.9919.C9.o2.gs	Method	GENSCAN
Start	1110	End	3995
GI	none	Score	.54
Exons	1110..1186, 1302..1559, 1888..2126, 3413..3519, 3896..3995		

Seq. No.	30463	Seq. ID	OJ990709_10.9919.C9
Gene No.	62998	Strand	
Start	6121	End	6597
Name	OJ990709_10.9919.C9.o1.tm	Method	TBLASTX:Maize
Start	6121	End	6597
GI	none	Score	92
Exons	6121..6237, 6247..6582, 6427..6597		

Seq. No.	30463	Seq. ID	OJ990709_10.9919.C9
Gene No.	62998	Strand	
Start	6121	End	6597
Name	OJ990709_10.9919.C9.o1.ts	Method	TBLASTX:Soybean
Start	6121	End	6597
GI	none	Score	95
Exons	6121..6237, 6247..6582, 6427..6597		

Seq. No.	30463	Seq. ID	OJ990709_10.9919.C9
Gene No.	62998	Strand	
Start	6121	End	6597
Name	OJ990709_10.9919.C9.o1.tc	Method	TBLASTX:Cress
Start	6127	End	6582
GI	none	Score	75
Exons	6127..6228, 6247..6366, 6253..6366, 6427..6582		

Seq. No.	30464	Seq. ID	OJ990709_10.9919.C10
Gene No.	62999	Strand	+
Start	143	End	2520
Name	OJ990709_10.9919.C10.o1.gs	Method	GENSCAN
Start	143	End	2520
GI	none	Score	.71
Exons	143..2063, 2171..2520		

Seq. No.	30464	Seq. ID	OJ990709_10.9919.C10
Gene No.	63000	Strand	+
Start	3187	End	3643
Name	OJ990709_10.9919.C10.o2.gs	Method	GENSCAN
Start	3187	End	3643
GI	none	Score	.9
Exons	3187..3268, 3363..3643		

Seq. No.	30464	Seq. ID	OJ990709_10.9919.C10
Gene No.	63001	Strand	+
Start	4428	End	5163
Name	OJ990709_10.9919.C10.o3.gs	Method	GENSCAN
Start	4428	End	5163
GI	none	Score	.7
Exons	4428..4672, 5052..5163		

Seq. No.	30464	Seq. ID	OJ990709_10.9919.C10
Gene No.	63002	Strand	+
Start	9963	End	15499
Name	OJ990709_10.9919.C10.o1.np	Method	AAT/NAP

Start	9710	End	14441
GI	6522541	Score	1690
Exons	9710..9764, 9967..10404, 11812..13467, 13498..13989, 14084..14441		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		

Seq. No.	30464	Seq. ID	OJ990709_10.9919.C10
Gene No.	63002	Strand	+
Start	9963	End	15499
Name	OJ990709_10.9919.C10.o5.gs	Method	GENSCAN
Start	9963	End	15499
GI	none	Score	.75
Exons	9963..10512, 10833..11123, 11455..13989, 14084..14303, 14696..14909, 15026..15122, 15434..15499		

Seq. No.	30464	Seq. ID	OJ990709_10.9919.C10
Gene No.	63003	Strand	-
Start	7453	End	14373
Name	OJ990709_10.9919.C10.o1.tc	Method	TBLASTX:Cress
Start	2	End	14190
GI	none	Score	72
Exons	2..184, 8..175, 8..184, 8..187, 8..187, 92..184, 107..193, 194..376, 200..322, 203..322, 203..322, 206..322, 224..376, 476..865, 476..847, 494..862, 494..844, 497..856, 497..763, 497..760, 500..709, 509..844, 509..859, 532..834, 581..856, 595..723, 601..693, 602..853, 607..834, 667..834, 740..835, 797..859, 857..1198, 866..1054, 866..1246, 869..985, 872..1198, 872..1198, 872..1204, 872..1195, 872..1198, 886..1200, 929..1198, 1042..1245, 1472..1552, 1580..1684, 1790..1987, 2164..2277, 10110..10238, 10125..10235, 10125..10238, 10302..10559, 10302..10535, 10302..10532, 10302..10538, 10302..10571, 10302..10586, 10302..10586, 10302..10535, 10302..10379, 10329..10586, 10340..10534, 10341..10532, 10403..10585, 10403..10534, 10419..10550, 11601..12089, 11601..12071, 11604..12083, 11604..12083, 11610..11948, 11703..12083, 11733..12074, 11793..12074, 11808..12086, 11880..12083, 12093..12221, 12105..12221, 12111..12221, 12126..12221, 12291..12377, 12300..12404, 12306..12395, 12324..12392, 12375..12605, 12375..12764, 12393..12590, 12396..12605, 12399..12734, 12399..12602, 12402..12761, 12414..12515, 12420..12539, 12480..12761, 12501..12770, 12540..12761, 12651..12770, 12666..12737, 12696..12761, 12768..13097, 12768..12806, 12771..13103, 12771..13094, 12771..13097, 12771..13097, 12771..13145, 12771..13022, 12771..13097, 12843..13103, 12860..13045, 12957..13028, 13365..13445, 13503..13607, 13725..13904, 14074..14190		

Seq. No.	30464	Seq. ID	OJ990709_10.9919.C10
Gene No.	63003	Strand	-
Start	7453	End	14373
Name	OJ990709_10.9919.C10.o2.ts	Method	TBLASTX:Soybean
Start	2	End	13157
GI	none	Score	81
Exons	2..184, 8..187, 194..322, 212..322, 449..487, 494..844, 497..844, 497..838, 524..835, 530..853, 532..765, 578..874, 854..910, 866..1198, 869..1270, 872..1198, 878..1204, 965..1198, 1040..1204, 9960..10112, 10146..10553, 10302..10589,		

10302..10586, 10302..10538, 10362..10586, 10418..10588,
10434..10589, 10439..10588, 11601..12077, 11703..12074,
12090..12221, 12111..12224, 12111..12224, 12333..12386,
12393..12770, 12399..12734, 12399..12737, 12399..12734,
12474..12773, 12566..12736, 12717..13103, 12741..12881,
12767..12889, 12768..12953, 12768..13103, 12768..13097,
12771..13157, 12771..13097

Seq. No.	30464	Seq. ID	OJ990709_10.9919.C10
Gene No.	63003	Strand	-
Start	7453	End	14373
Name	OJ990709_10.9919.C10.o1.tw	Method	TBLASTX:Wheat
Start	20	End	12959
GI	none	Score	72
Exons	20..229, 104..322, 194..322, 389..745, 460..702, 569..790, 769..1068, 878..1033, 983..1204, 1042..1197, 10170..10235, 10308..10388, 10332..10550, 11790..12056, 12006..12221, 12228..12605, 12302..12622, 12468..12689, 12543..12764, 12666..12959, 12677..12886, 12792..12896		

Seq. No.	30464	Seq. ID	OJ990709_10.9919.C10
Gene No.	63003	Strand	-
Start	7453	End	14373
Name	OJ990709_10.9919.C10.o2.tm	Method	TBLASTX:Maize
Start	401	End	13157
GI	none	Score	150
Exons	401..691, 494..1054, 581..766, 592..762, 749..868, 866..1153, 869..1084, 890..1201, 1013..1270, 1145..1198, 10302..10451, 10305..10550, 11610..11786, 11616..11714, 11625..12029, 11742..11930, 12291..12590, 12396..12605, 12501..12773, 12765..12881, 12771..13058, 12789..13097, 12915..13157, 12933..13103		

Seq. No.	30464	Seq. ID	OJ990709_10.9919.C10
Gene No.	63003	Strand	-
Start	7453	End	14373
Name	OJ990709_10.9919.C10.o1.ts	Method	TBLASTX:Soybean
Start	1472	End	14268
GI	none	Score	86
Exons	1472..1561, 1474..1560, 1579..1767, 1580..1777, 1802..1969, 1807..1980, 1814..2023, 1997..2062, 2032..2091, 2169..2345, 2170..2355, 13365..13454, 13367..13453, 13503..13700, 13535..13690, 13740..13922, 13752..13895, 13917..13988, 13958..13987, 14082..14258, 14083..14268		

Seq. No.	30464	Seq. ID	OJ990709_10.9919.C10
Gene No.	63003	Strand	-
Start	7453	End	14373
Name	OJ990709_10.9919.C10.o1.tm	Method	TBLASTX:Maize
Start	1612	End	13982
GI	none	Score	427
Exons	1612..1782, 1613..2056, 1828..1968, 13535..13720, 13536..13721, 13734..13982, 13796..13894		

Seq. No.	30464	Seq. ID	OJ990709_10.9919.C10
Gene No.	63003	Strand	-
Start	7453	End	14373

Name	OJ990709_10.9919.C10.o2.tw	Method	TBLASTX:Wheat
Start	1829	End	14175
GI	none	Score	133
Exons	1829..1984, 1921..1998, 2033..2062, 2169..2267, 2170..2259, 13755..13910, 13823..13906, 13959..13988, 14082..14171, 14083..14175		

Seq. No.	30464	Seq. ID	OJ990709_10.9919.C10
Gene No.	63003	Strand	-
Start	7453	End	14373
Name	OJ990709_10.9919.C10.o3.tm	Method	TBLASTX:Maize
Start	2168	End	14373
GI	none	Score	67
Exons	2168..2356, 2169..2363, 2170..2364, 2173..2364, 2356..2460, 2358..2459, 14082..14285, 14083..14277, 14269..14373, 14271..14372		

Seq. No.	30464	Seq. ID	OJ990709_10.9919.C10
Gene No.	63003	Strand	-
Start	7453	End	14373
Name	OJ990709_10.9919.C10.o3.ts	Method	TBLASTX:Soybean
Start	4057	End	4471
GI	none	Score	55
Exons	4057..4140, 4058..4135, 4152..4196, 4217..4369, 4218..4469, 4409..4471		

Seq. No.	30464	Seq. ID	OJ990709_10.9919.C10
Gene No.	63003	Strand	-
Start	7453	End	14373
Name	OJ990709_10.9919.C10.o1.gp	Method	AAT/GAP
Start	7096	End	7418
GI	702212	Score	597
Exons	7096..7418		

Seq. No.	30464	Seq. ID	OJ990709_10.9919.C10
Gene No.	63003	Strand	-
Start	7453	End	14373
Name	OJ990709_10.9919.C10.o4.gs	Method	GENSCAN
Start	7453	End	8558
GI	none	Score	.73
Exons	7453..7538, 8351..8558		

Seq. No.	30465	Seq. ID	OJ990709_10.9919.C11
Gene No.	63004	Strand	+
Start	2684	End	8809
Name	OJ990709_10.9919.C11.o1.np	Method	AAT/NAP
Start	2684	End	8809
GI	5295955	Score	211
Exons	2684..2722, 7677..7807, 8552..8607, 8645..8809		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	30465	Seq. ID	OJ990709_10.9919.C11
Gene No.	63005	Strand	-
Start	179	End	8720
Name	OJ990709_10.9919.C11.o1.gs	Method	GENSCAN
Start	179	End	8720

GI	none	Score	.54
Exons	179..339, 526..641, 1715..2066, 2177..2338, 2441..2485, 2653..2745, 4238..4324, 5999..6216, 6242..6325, 6459..6576, 6738..6826, 8595..8720		

Seq. No.	30465	Seq. ID	OJ990709_10.9919.C11
Gene No.	63005	Strand	-
Start	179	End	8720
Name	OJ990709_10.9919.C11.o1.gp	Method	AAT/GAP
Start	7004	End	7112
GI	uC-osf1cyp088b12b1	Score	154
Exons	7004..7112		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	30466	Seq. ID	OJ990409_08.9923.C2
Gene No.	63006	Strand	+
Start	75	End	815
Name	OJ990409_08.9923.C2.o1.gs	Method	GENSCAN
Start	75	End	815
GI	none	Score	1
Exons	75..815		

Seq. No.	30467	Seq. ID	OJ990409_08.9923.C3
Gene No.	63007	Strand	+
Start	1515	End	2338
Name	OJ990409_08.9923.C3.o1.gs	Method	GENSCAN
Start	1515	End	2338
GI	none	Score	.64
Exons	1515..1570, 2239..2338		

Seq. No.	30467	Seq. ID	OJ990409_08.9923.C3
Gene No.	63008	Strand	-
Start	5039	End	5395
Name	OJ990409_08.9923.C3.o2.gs	Method	GENSCAN
Start	5039	End	5395
GI	none	Score	.68
Exons	5039..5343, 5389..5395		

Seq. No.	30468	Seq. ID	OJ990409_08.9923.C5
Gene No.	63009	Strand	-
Start	168	End	511
Name	OJ990409_08.9923.C5.o1.tm	Method	TBLASTX:Maize
Start	157	End	427
GI	none	Score	142
Exons	157..255, 162..311, 167..319, 386..427		

Seq. No.	30468	Seq. ID	OJ990409_08.9923.C5
Gene No.	63009	Strand	-
Start	168	End	511
Name	OJ990409_08.9923.C5.o1.gs	Method	GENSCAN
Start	168	End	511
GI	none	Score	.85
Exons	168..511		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63010	Strand	+

Start	9790	End	11407
Name	OJ990409_08.9923.C6.o5.gs	Method	GENSCAN
Start	9790	End	11407
GI	none	Score	.62
Exons	9790..9924, 9963..10109, 10782..10878, 10979..11040, 11127..11183, 11384..11407		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63011	Strand	+
Start	17894	End	21450
Name	OJ990409_08.9923.C6.o7.gs	Method	GENSCAN
Start	17894	End	21319
GI	none	Score	.77
Exons	17894..18136, 18321..18480, 19427..19437, 19553..19660, 20097..20139, 20230..20425, 21121..21319		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63011	Strand	+
Start	17894	End	21450
Name	OJ990409_08.9923.C6.o2.gp	Method	AAT/GAP
Start	19316	End	21450
GI	799_2.R1084	Score	1446
Exons	19316..19437, 19553..19660, 20097..20139, 20230..20425, 21121..21450		
GI Descrip.	'1172816/sp|P42795|R111_ARATH 9.0e-84 60S RIBOSOMAL PROTEIN L11A (L16A) >gi_624938_emb_CAA57395_ (X81799) ribosomal protein L16 [Arabidopsis thaliana]'		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63011	Strand	+
Start	17894	End	21450
Name	OJ990409_08.9923.C6.o3.np	Method	AAT/NAP
Start	19544	End	21316
GI	1172817	Score	781
Exons	19544..19660, 20097..20139, 20230..20425, 21121..21316		
GI Descrip.	60S RIBOSOMAL PROTEIN L11B (L16B) gi|550547|emb|CAA57396| (X81800) ribosomal protein L16 [Arabidopsis thaliana] gi|4539392|emb|CAB37458.1| (AL035526) ribosomal protein L11, cytosolic [Arabidopsis thaliana]		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63012	Strand	+
Start	22595	End	23349
Name	OJ990409_08.9923.C6.o3.gp	Method	AAT/GAP
Start	22595	End	23032
GI	uC-osroM202005c03b1	Score	793
Exons	22595..23032		
GI Descrip.	'2190542 1.0e-18 (AC001229) F5I14.5 gene product [Arabidopsis thaliana]'		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63012	Strand	+
Start	22595	End	23349
Name	OJ990409_08.9923.C6.o4.np	Method	AAT/NAP
Start	22640	End	23349
GI	2244799	Score	454
Exons	22640..23349		

GI Descrip. (Z97336) carnitine racemase like protein [Arabidopsis thaliana]

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63013	Strand	-
Start	54	End	1191
Name	OJ990409_08.9923.C6.o1.gs	Method	GENSCAN
Start	54	End	1191
GI	none	Score	.56
Exons	54..519, 539..820, 1172..1191		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63014	Strand	-
Start	5679	End	8913
Name	OJ990409_08.9923.C6.o3.gs	Method	GENSCAN
Start	5679	End	8913
GI	none	Score	.65
Exons	5679..5722, 6847..7339, 7532..7692, 7765..7872, 7933..8063, 8711..8913		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63015	Strand	-
Start	9103	End	9519
Name	OJ990409_08.9923.C6.o4.gs	Method	GENSCAN
Start	9103	End	9519
GI	none	Score	1
Exons	9103..9519		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63016	Strand	-
Start	12655	End	18796
Name	OJ990409_08.9923.C6.o6.gs	Method	GENSCAN
Start	12655	End	17187
GI	none	Score	.93
Exons	12655..12824, 13968..17187		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63016	Strand	-
Start	12655	End	18796
Name	OJ990409_08.9923.C6.o1.np	Method	AAT/NAP
Start	13942	End	17193
GI	4539394	Score	2144
Exons	13942..16179, 16825..17193		
GI Descrip.	(AL035526) putative protein [Arabidopsis thaliana]		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63016	Strand	-
Start	12655	End	18796
Name	OJ990409_08.9923.C6.o2.np	Method	AAT/NAP
Start	14688	End	18796
GI	1707007	Score	719
Exons	14688..16012, 16337..16559, 18715..18796		
GI Descrip.	(U78721) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63017	Strand	-
Start	19121	End	19207
Name	OJ990409_08.9923.C6.o1.gp	Method	AAT/GAP

Start	19121	End	19207
GI	5771201	Score	117
Exons	19121..19207		
GI Descrip.	287938/emb|X54204|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63018	Strand	-
Start	23140	End	23474
Name	OJ990409_08.9923.C6.o4.gp	Method	AAT/GAP
Start	23140	End	23474
GI	1632554	Score	584
Exons	23140..23474		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63019	Strand	-
Start	23574	End	27668
Name	OJ990409_08.9923.C6.o5.gp	Method	AAT/GAP
Start	23574	End	25416
GI	31784_1.R1084	Score	1706
Exons	23574..24147, 24244..24345, 24811..24894, 25061..25156, 25234..25284, 25389..25416		
GI Descrip.	'1877397/emb|CAA72330| 2.0e-75 (Y11591) shaggy-like kinase [Ricinus communis]'		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63019	Strand	-
Start	23574	End	27668
Name	OJ990409_08.9923.C6.o5.np	Method	AAT/NAP
Start	24055	End	27360
GI	4539390	Score	1437
Exons	24055..24147, 24244..24345, 24811..24894, 25061..25156, 25234..25284, 25389..25529, 25988..26044, 26129..26203, 26289..26561, 26655..26714, 27253..27360		
GI Descrip.	(AL035526) shaggy-like protein kinase etha (EC 2.7.1.-) [Arabidopsis thaliana]		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63019	Strand	-
Start	23574	End	27668
Name	OJ990409_08.9923.C6.o9.gs	Method	GENSCAN
Start	24055	End	27582
GI	none	Score	.87
Exons	24055..24147, 24244..24345, 24811..24894, 25061..25156, 25389..25529, 25988..26044, 26129..26203, 26289..26561, 26655..26714, 27253..27345, 27511..27582		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63019	Strand	-
Start	23574	End	27668
Name	OJ990409_08.9923.C6.o6.gp	Method	AAT/GAP
Start	26372	End	27668
GI	uC-osflcyp099f01b1	Score	864
Exons	26372..26561, 26655..26714, 27253..27336, 27511..27668		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o3.tm	Method	TBLASTX:Maize
Start	9787	End	13109
GI	none	Score	42
Exons	9787..9819, 9789..9824, 9805..9924, 9816..9926, 10780..10860, 10781..10879, 10782..10880, 10969..11040, 10976..11059, 10978..11040, 11077..11181, 11127..11186, 11325..11402, 11329..11406, 11344..11424, 11882..11944, 11882..11941, 11895..11942, 12061..12105, 12065..12106, 12066..12107, 12246..12332, 12249..12332, 12250..12336, 12250..12333, 12595..12630, 12596..12631, 12614..12901, 12628..12819, 12742..12915, 12834..12938, 12868..12960, 12997..13074, 12998..13075, 12999..13088, 13032..13109		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o5.tc	Method	TBLASTX:Cress
Start	9832	End	12103
GI	none	Score	53
Exons	9832..9876, 9859..9924, 10755..10886, 10782..10880, 10965..11066, 10978..11034, 11139..11186, 11882..11950, 11882..11956, 12026..12103, 12061..12102		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o2.tc	Method	TBLASTX:Cress
Start	13936	End	14466
GI	none	Score	121
Exons	13936..14466, 13937..14146, 14207..14344, 14400..14465		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o4.ts	Method	TBLASTX:Soybean
Start	13939	End	14236
GI	none	Score	154
Exons	13939..14232, 13940..14236		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o1.tm	Method	TBLASTX:Maize
Start	14014	End	14520
GI	none	Score	522
Exons	14014..14520, 14014..14520		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o2.ts	Method	TBLASTX:Soybean
Start	14239	End	14775
GI	none	Score	75
Exons	14239..14775, 14453..14728		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o4.tm	Method	TBLASTX:Maize
Start	14521	End	16806
GI	none	Score	195
Exons	14521..15072, 14531..14932, 14737..15066, 14782..15057, 14834..15004, 14834..15067, 15079..15372, 15079..15165, 15082..15378, 15147..15332, 15332..15607, 15373..15666, 15374..15544, 15385..15813, 15619..15978, 15622..15978, 15688..15909, 15689..15910, 15725..15910, 15955..16092, 16210..16623, 16213..16401, 16291..16614, 16292..16615, 16375..16698, 16540..16710, 16612..16701, 16615..16710, 16616..16714, 16705..16806, 16734..16799		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o3.tc	Method	TBLASTX:Cress
Start	14554	End	16809
GI	none	Score	108
Exons	14554..14655, 14677..14790, 14779..15072, 14782..15054, 14783..15097, 15082..15504, 15082..15363, 15082..15207, 15109..15198, 15194..15304, 15370..15672, 15385..15822, 15673..15900, 15688..16062, 15688..16074, 15688..15969, 15985..16074, 16000..16062, 16075..16173, 16241..16294, 16255..16311, 16315..16698, 16358..16714, 16363..16605, 16687..16785, 16711..16806, 16723..16809, 16724..16807		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o3.tw	Method	TBLASTX:Wheat
Start	14633	End	16801
GI	none	Score	124
Exons	14633..14944, 14638..15075, 14990..15061, 15082..15399, 15197..15367, 15298..15714, 15631..16020, 15643..15843, 16222..16350, 16264..16641, 16720..16800, 16721..16801		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o6.ts	Method	TBLASTX:Soybean
Start	14779	End	16617
GI	none	Score	100
Exons	14779..15078, 14798..15034, 15082..15249, 15337..15648, 15640..15996, 16045..16185, 16276..16617		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o3.ts	Method	TBLASTX:Soybean
Start	19546	End	21450
GI	none	Score	172
Exons	19546..19662, 19547..19666, 20096..20143, 20103..20147, 20228..20431, 20229..20432, 20232..20432, 21110..21172,		

21110..21262, 21117..21221, 21117..21302, 21202..21309,
21218..21307, 21238..21330, 21406..21450

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o2.tw	Method	TBLASTX:Wheat
Start	19550	End	21402
GI	none	Score	166
Exons	19550..19666, 19558..19662, 20089..20139, 20095..20139, 20096..20143, 20103..20147, 20228..20431, 20229..20432, 21110..21310, 21120..21302, 21121..21309, 21361..21402		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o4.tc	Method	TBLASTX:Cress
Start	19552	End	21424
GI	none	Score	165
Exons	19552..19662, 19553..19666, 20090..20140, 20094..20141, 20103..20147, 20228..20431, 20229..20432, 20235..20432, 20263..20433, 21110..21328, 21110..21262, 21202..21297, 21365..21424		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o5.tm	Method	TBLASTX:Maize
Start	20223	End	20434
GI	none	Score	337
Exons	20223..20426, 20225..20434, 20225..20428		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o8.tm	Method	TBLASTX:Maize
Start	21110	End	21304
GI	none	Score	236
Exons	21110..21304, 21117..21302, 21202..21303		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o5.ts	Method	TBLASTX:Soybean
Start	22627	End	23199
GI	none	Score	96
Exons	22627..22713, 22634..22708, 22786..22848, 22806..22928, 22873..23160, 22873..23199		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o9.tm	Method	TBLASTX:Maize
Start	22633	End	22926
GI	none	Score	113
Exons	22633..22713, 22637..22708, 22786..22857, 22786..22845, 22852..22926, 22881..22925		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o6.tm	Method	TBLASTX:Maize
Start	22964	End	23328
GI	none	Score	40
Exons	22964..22984, 22972..23310, 22996..23163, 23007..23327, 23144..23194, 23224..23328		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o4.tw	Method	TBLASTX:Wheat
Start	24053	End	25254
GI	none	Score	91
Exons	24053..24148, 24055..24150, 24232..24345, 24238..24345, 24242..24418, 24243..24389, 24808..24903, 24812..24892, 24816..24911, 25058..25159, 25059..25157, 25061..25159, 25228..25254		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o1.ts	Method	TBLASTX:Soybean
Start	24061	End	27321
GI	none	Score	50
Exons	24061..24150, 24062..24139, 24238..24345, 24244..24345, 24251..24355, 24808..24903, 24809..24895, 25058..25159, 25062..25157, 25228..25287, 25229..25285, 25389..25529, 25393..25530, 25985..26050, 25986..26051, 26126..26200, 26127..26201, 26286..26561, 26296..26562, 26625..26717, 26641..26718, 26641..26715, 26643..26717, 27253..27321		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o7.tm	Method	TBLASTX:Maize
Start	24064	End	25287
GI	none	Score	52
Exons	24064..24150, 24078..24167, 24079..24138, 24083..24148, 24238..24345, 24240..24344, 24244..24345, 24254..24355, 24808..24903, 24812..24895, 25058..25159, 25062..25157, 25063..25164, 25228..25287, 25232..25285		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o1.tc	Method	TBLASTX:Cress
Start	24073	End	27321
GI	none	Score	58
Exons	24073..24150, 24074..24136, 24238..24336, 24238..24345, 24242..24352, 24251..24355, 24808..24903, 24809..24895, 25058..25159, 25062..25157, 25228..25287, 25232..25288, 25389..25529, 25389..25529, 25390..25530, 25391..25603, 25946..26044, 25974..26045, 26126..26200, 26275..26526, 26286..26561, 26290..26562, 26622..26717, 26641..26718,		

26643..26717, 27253..27321

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o2.tm	Method	TBLASTX:Maize
Start	25404	End	27336
GI	none	Score	187
Exons	25404..25529, 25405..25530, 25974..26045, 25985..26050, 25987..26046, 26126..26200, 26127..26204, 26129..26206, 26286..26561, 26296..26562, 26641..26715, 26643..26717, 27248..27271, 27253..27321, 27253..27336		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o1.tw	Method	TBLASTX:Wheat
Start	26174	End	27609
GI	none	Score	45
Exons	26174..26206, 26174..26200, 26286..26561, 26289..26579, 26641..26715, 26641..26715, 26643..26717, 27253..27321, 27253..27339, 27571..27609		

Seq. No.	30469	Seq. ID	OJ990409_08.9923.C6
Gene No.	63020	Strand	-
Start	29984	End	30178
Name	OJ990409_08.9923.C6.o10.gs	Method	GENSCAN
Start	29984	End	30178
GI	none	Score	.5
Exons	29984..30178		

Seq. No.	30470	Seq. ID	OJ990409_08.9923.C7
Gene No.	63021	Strand	+
Start	242	End	544
Name	OJ990409_08.9923.C7.o1.gs	Method	GENSCAN
Start	242	End	544
GI	none	Score	.7
Exons	242..268, 497..544		

Seq. No.	30471	Seq. ID	OJ990409_08.9923.C8
Gene No.	63022	Strand	+
Start	6752	End	7856
Name	OJ990409_08.9923.C8.o1.gp	Method	AAT/GAP
Start	6654	End	7137
GI	572159	Score	737
Exons	6654..6946, 7026..7137		
GI Descrip.	1781332/emb|CAA71493| 3.0e-20 (Y10467) peroxidase [Spinacia oleracea]		

Seq. No.	30471	Seq. ID	OJ990409_08.9923.C8
Gene No.	63022	Strand	+
Start	6752	End	7856
Name	OJ990409_08.9923.C8.o2.np	Method	AAT/NAP
Start	6740	End	7847
GI	5453379	Score	957
Exons	6740..6946, 7026..7217, 7284..7847		
GI Descrip.	(AF155124) bacterial-induced peroxidase precursor [Gossypium		

hirsutum]

Seq. No.	30471	Seq. ID	OJ990409_08.9923.C8
Gene No.	63022	Strand	+
Start	6752	End	7856
Name	OJ990409_08.9923.C8.o2.gs	Method	GENSCAN
Start	6752	End	7856
GI	none	Score	.85
Exons	6752..7015, 7026..7856		

Seq. No.	30471	Seq. ID	OJ990409_08.9923.C8
Gene No.	63023	Strand	+
Start	8460	End	10072
Name	OJ990409_08.9923.C8.o3.gs	Method	GENSCAN
Start	8460	End	10072
GI	none	Score	.51
Exons	8460..8576, 8806..8893, 9010..9289, 9658..9726, 10045..10072		

Seq. No.	30471	Seq. ID	OJ990409_08.9923.C8
Gene No.	63024	Strand	-
Start	4993	End	9603
Name	OJ990409_08.9923.C8.o1.np	Method	AAT/NAP
Start	4993	End	9603
GI	6069646	Score	634
Exons	4993..5630, 9582..9603		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	30471	Seq. ID	OJ990409_08.9923.C8
Gene No.	63024	Strand	-
Start	4993	End	9603
Name	OJ990409_08.9923.C8.o2.gp	Method	AAT/GAP
Start	7671	End	7955
GI	3769140	Score	509
Exons	7671..7955		
GI Descrip.	2944417 9.0e-11 (AF049881) peroxidase FLXPER4 [Linum usitatissimum]		

Seq. No.	30471	Seq. ID	OJ990409_08.9923.C8
Gene No.	63025	Strand	-
Start	11219	End	14799
Name	OJ990409_08.9923.C8.o2.tm	Method	TBLASTX:Maize
Start	5224	End	5520
GI	none	Score	183
Exons	5224..5520		

Seq. No.	30471	Seq. ID	OJ990409_08.9923.C8
Gene No.	63025	Strand	-
Start	11219	End	14799
Name	OJ990409_08.9923.C8.o1.ts	Method	TBLASTX:Soybean
Start	6812	End	7847
GI	none	Score	140
Exons	6812..6946, 6835..6945, 7019..7210, 7020..7220, 7284..7355, 7286..7510, 7416..7580, 7568..7633, 7569..7694, 7701..7847		

Seq. No.	30471	Seq. ID	OJ990409_08.9923.C8
Gene No.	63025	Strand	-
Start	11219	End	14799
Name	OJ990409_08.9923.C8.o1.tc	Method	TBLASTX:Cress
Start	6815	End	7847
GI	none	Score	116
Exons	6815..6943, 6838..6942, 7019..7201, 7020..7217, 7257..7520, 7286..7471, 7554..7631, 7701..7847		

Seq. No.	30471	Seq. ID	OJ990409_08.9923.C8
Gene No.	63025	Strand	-
Start	11219	End	14799
Name	OJ990409_08.9923.C8.o1.tm	Method	TBLASTX:Maize
Start	6820	End	7631
GI	none	Score	114
Exons	6820..6942, 6821..6943, 7019..7219, 7020..7220, 7259..7489, 7278..7508, 7554..7631		

Seq. No.	30471	Seq. ID	OJ990409_08.9923.C8
Gene No.	63025	Strand	-
Start	11219	End	14799
Name	OJ990409_08.9923.C8.o1.tw	Method	TBLASTX:Wheat
Start	7128	End	7520
GI	none	Score	73
Exons	7128..7202, 7272..7520, 7283..7489, 7413..7508		

Seq. No.	30471	Seq. ID	OJ990409_08.9923.C8
Gene No.	63025	Strand	-
Start	11219	End	14799
Name	OJ990409_08.9923.C8.o4.gs	Method	GENSCAN
Start	11219	End	14799
GI	none	Score	.75
Exons	11219..11289, 11360..11501, 13646..13759, 14057..14209, 14325..14408, 14463..14537, 14701..14799		

Seq. No.	30471	Seq. ID	OJ990409_08.9923.C8
Gene No.	63025	Strand	-
Start	11219	End	14799
Name	OJ990409_08.9923.C8.o3.gp	Method	AAT/GAP
Start	11991	End	12345
GI	5002900	Score	649
Exons	11991..12345		

Seq. No.	30472	Seq. ID	OJ990409_08.9923.C11
Gene No.	63026	Strand	-
Start	681	End	1003
Name	OJ990409_08.9923.C11.o1.gs	Method	GENSCAN
Start	681	End	1003
GI	none	Score	.66
Exons	681..826, 985..1003		

Seq. No.	30473	Seq. ID	OJ990409_08.9923.C12
Gene No.	63027	Strand	+
Start	60	End	2615
Name	OJ990409_08.9923.C12.o1.gs	Method	GENSCAN
Start	60	End	2177

GI	none	Score	.77
Exons	60..580, 628..2177		

Seq. No.	30473	Seq. ID	OJ990409_08.9923.C12
Gene No.	63027	Strand	+
Start	60	End	2615
Name	OJ990409_08.9923.C12.o2.np	Method	AAT/NAP
Start	226	End	2615
GI	6466937	Score	1270
Exons	226..2615		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	30473	Seq. ID	OJ990409_08.9923.C12
Gene No.	63027	Strand	+
Start	60	End	2615
Name	OJ990409_08.9923.C12.o1.tw	Method	TBLASTX:Wheat
Start	1638	End	2120
GI	none	Score	392
Exons	1638..2120, 1742..2116		

Seq. No.	30473	Seq. ID	OJ990409_08.9923.C12
Gene No.	63027	Strand	+
Start	60	End	2615
Name	OJ990409_08.9923.C12.o2.ts	Method	TBLASTX:Soybean
Start	1674	End	1991
GI	none	Score	219
Exons	1674..1988, 1800..1991		

Seq. No.	30473	Seq. ID	OJ990409_08.9923.C12
Gene No.	63027	Strand	+
Start	60	End	2615
Name	OJ990409_08.9923.C12.o1.tm	Method	TBLASTX:Maize
Start	1695	End	2174
GI	none	Score	522
Exons	1695..2174, 1772..2167, 1788..2171		

Seq. No.	30473	Seq. ID	OJ990409_08.9923.C12
Gene No.	63027	Strand	+
Start	60	End	2615
Name	OJ990409_08.9923.C12.o1.ts	Method	TBLASTX:Soybean
Start	2103	End	2447
GI	none	Score	305
Exons	2103..2447, 2105..2443		

Seq. No.	30473	Seq. ID	OJ990409_08.9923.C12
Gene No.	63027	Strand	+
Start	60	End	2615
Name	OJ990409_08.9923.C12.o2.tm	Method	TBLASTX:Maize
Start	2193	End	2614
GI	none	Score	281
Exons	2193..2444, 2201..2443, 2427..2537, 2552..2614, 2554..2613		

Seq. No.	30473	Seq. ID	OJ990409_08.9923.C12
Gene No.	63027	Strand	+
Start	60	End	2615
Name	OJ990409_08.9923.C12.o2.tw	Method	TBLASTX:Wheat

Start	2193	End	2534
GI	none	Score	225
Exons	2193..2447, 2201..2392, 2430..2534		

Seq. No.	30474	Seq. ID	OJ990409_08.9923.C13
Gene No.	63028	Strand	+
Start	1	End	1940
Name	OJ990409_08.9923.C13.o1.np	Method	AAT/NAP
Start	1	End	1940
GI	6466937	Score	1101
Exons	1..1766, 1832..1940		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	30474	Seq. ID	OJ990409_08.9923.C13
Gene No.	63028	Strand	+
Start	1	End	1940
Name	OJ990409_08.9923.C13.o3.tm	Method	TBLASTX:Maize
Start	38	End	458
GI	none	Score	391
Exons	38..259, 39..458		

Seq. No.	30474	Seq. ID	OJ990409_08.9923.C13
Gene No.	63028	Strand	+
Start	1	End	1940
Name	OJ990409_08.9923.C13.o1.tw	Method	TBLASTX:Wheat
Start	246	End	674
GI	none	Score	359
Exons	246..674, 488..673		

Seq. No.	30474	Seq. ID	OJ990409_08.9923.C13
Gene No.	63028	Strand	+
Start	1	End	1940
Name	OJ990409_08.9923.C13.o1.tm	Method	TBLASTX:Maize
Start	510	End	1145
GI	none	Score	638
Exons	510..1145, 596..1126		

Seq. No.	30474	Seq. ID	OJ990409_08.9923.C13
Gene No.	63028	Strand	+
Start	1	End	1940
Name	OJ990409_08.9923.C13.o1.ts	Method	TBLASTX:Soybean
Start	531	End	917
GI	none	Score	315
Exons	531..917, 563..916		

Seq. No.	30474	Seq. ID	OJ990409_08.9923.C13
Gene No.	63028	Strand	+
Start	1	End	1940
Name	OJ990409_08.9923.C13.o4.tw	Method	TBLASTX:Wheat
Start	735	End	994
GI	none	Score	203
Exons	735..989, 860..994		

Seq. No.	30474	Seq. ID	OJ990409_08.9923.C13
Gene No.	63028	Strand	+
Start	1	End	1940

Name	OJ990409_08.9923.C13.o2.tw	Method	TBLASTX:Wheat
Start	995	End	1382
GI	none	Score	193
Exons	995..1153, 996..1184, 1191..1382, 1313..1381		

Seq. No.	30474	Seq. ID	OJ990409_08.9923.C13
Gene No.	63028	Strand	+
Start	1	End	1940
Name	OJ990409_08.9923.C13.o1.gs	Method	GENSCAN
Start	1134	End	1805
GI	none	Score	.74
Exons	1134..1805		

Seq. No.	30474	Seq. ID	OJ990409_08.9923.C13
Gene No.	63028	Strand	+
Start	1	End	1940
Name	OJ990409_08.9923.C13.o2.tm	Method	TBLASTX:Maize
Start	1188	End	1771
GI	none	Score	311
Exons	1188..1553, 1232..1510, 1550..1771, 1584..1769		

Seq. No.	30474	Seq. ID	OJ990409_08.9923.C13
Gene No.	63028	Strand	+
Start	1	End	1940
Name	OJ990409_08.9923.C13.o3.tw	Method	TBLASTX:Wheat
Start	1536	End	1736
GI	none	Score	220
Exons	1536..1736, 1550..1732, 1572..1736		

Seq. No.	30475	Seq. ID	OJ990409_08.9923.C14
Gene No.	63029	Strand	-
Start	941	End	11138
Name	OJ990409_08.9923.C14.o1.gs	Method	GENSCAN
Start	941	End	3478
GI	none	Score	.99
Exons	941..3478		

Seq. No.	30475	Seq. ID	OJ990409_08.9923.C14
Gene No.	63029	Strand	-
Start	941	End	11138
Name	OJ990409_08.9923.C14.o1.tm	Method	TBLASTX:Maize
Start	1016	End	6065
GI	none	Score	94
Exons	1016..1192, 1080..1172, 1090..1191, 1141..1560, 1196..1564, 1230..1565, 5532..5672, 5532..5687, 5533..5688, 5697..6065, 5776..6036, 5781..6056		

Seq. No.	30475	Seq. ID	OJ990409_08.9923.C14
Gene No.	63029	Strand	-
Start	941	End	11138
Name	OJ990409_08.9923.C14.o1.ts	Method	TBLASTX:Soybean
Start	1049	End	6377
GI	none	Score	63
Exons	1049..1180, 1193..1354, 1218..1352, 1362..1604, 1367..1603, 1625..1819, 1656..1718, 1826..1876, 1871..1909, 5553..5681, 5556..5672, 5778..5858, 5793..5840, 5868..6104, 5869..6081, 6126..6287, 6327..6377		

Seq. No.	30475	Seq. ID	OJ990409_08.9923.C14
Gene No.	63029	Strand	-
Start	941	End	11138
Name	OJ990409_08.9923.C14.o1.tc	Method	TBLASTX:Cress
Start	1067	End	7582
GI	none	Score	63
Exons	1067..1165, 1077..1169, 1283..1354, 1287..1355, 1361..1603, 1368..1604, 1628..1807, 1644..1760, 1820..1909, 2972..3061, 2973..3053, 3148..3222, 5556..5666, 5557..5664, 5784..5855, 5862..6122, 5869..6036, 6129..6308, 6145..6306, 6321..6410, 7373..7471, 7505..7582		

Seq. No.	30475	Seq. ID	OJ990409_08.9923.C14
Gene No.	63029	Strand	-
Start	941	End	11138
Name	OJ990409_08.9923.C14.o1.tw	Method	TBLASTX:Wheat
Start	1352	End	6258
GI	none	Score	126
Exons	1352..1408, 1427..1756, 1440..1757, 5853..5912, 5907..6257, 6139..6258		

Seq. No.	30475	Seq. ID	OJ990409_08.9923.C14
Gene No.	63029	Strand	-
Start	941	End	11138
Name	OJ990409_08.9923.C14.o2.tm	Method	TBLASTX:Maize
Start	1607	End	6410
GI	none	Score	70
Exons	1607..1831, 1638..1757, 1745..1804, 1784..1918, 6126..6308, 6139..6306, 6300..6410		

Seq. No.	30475	Seq. ID	OJ990409_08.9923.C14
Gene No.	63029	Strand	-
Start	941	End	11138
Name	OJ990409_08.9923.C14.o1.np	Method	AAT/NAP
Start	1731	End	11138
GI	2864613	Score	843
Exons	1731..1861, 5534..6758, 6918..7755, 11093..11138		
GI Descrip.	(AL021811) S-receptor kinase -like protein [Arabidopsis thaliana] gi|4049333|emb|CAA22558.1| (AL034567) S-receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	30475	Seq. ID	OJ990409_08.9923.C14
Gene No.	63029	Strand	-
Start	941	End	11138
Name	OJ990409_08.9923.C14.o2.ts	Method	TBLASTX:Soybean
Start	2528	End	7619
GI	none	Score	76
Exons	2528..2581, 2636..2689, 2963..3208, 7373..7618, 7383..7619		

Seq. No.	30475	Seq. ID	OJ990409_08.9923.C14
Gene No.	63029	Strand	-
Start	941	End	11138
Name	OJ990409_08.9923.C14.o2.gs	Method	GENSCAN
Start	5193	End	7936
GI	none	Score	.52
Exons	5193..5384, 5580..6485, 6490..6605, 6744..6996, 7097..7936		

Seq. No.	30475	Seq. ID	OJ990409_08.9923.C14
Gene No.	63029	Strand	-
Start	941	End	11138
Name	OJ990409_08.9923.C14.o2.np	Method	AAT/NAP
Start	5557	End	7620
GI	3834308	Score	188
Exons	5557..5682, 6936..7620		
GI Descrip.	(AC005679) Strong similarity to glycoprotein EP1 gb|L16983 Daucus carota and a member of S locus glycoprotein family PF|00954. EST gb|AA720110 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	30475	Seq. ID	OJ990409_08.9923.C14
Gene No.	63029	Strand	-
Start	941	End	11138
Name	OJ990409_08.9923.C14.o3.gs	Method	GENSCAN
Start	10437	End	11046
GI	none	Score	.77
Exons	10437..10513, 10614..10655, 10870..11046		

Seq. No.	30476	Seq. ID	OJ990409_08.9923.C15
Gene No.	63030	Strand	+
Start	758	End	14846
Name	OJ990409_08.9923.C15.o1.np	Method	AAT/NAP
Start	758	End	4272
GI	4836868	Score	518
Exons	758..826, 885..940, 1031..1155, 1277..1436, 1672..2057, 2200..2706, 3312..3393, 4128..4272		
GI Descrip.	(AC007260) lcl|prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	30476	Seq. ID	OJ990409_08.9923.C15
Gene No.	63030	Strand	+
Start	758	End	14846
Name	OJ990409_08.9923.C15.o1.gp	Method	AAT/GAP
Start	1015	End	1428
GI	LIB3434-039-P1-K1-C10	Score	453
Exons	1015..1155, 1277..1428		
GI Descrip.	'4836868/gb|AAD30571.1|AC007260_2 5.0e-22 (AC007260) lcl_prt_seq No definition line found [Arabidopsis thaliana]'		

Seq. No.	30476	Seq. ID	OJ990409_08.9923.C15
Gene No.	63030	Strand	+
Start	758	End	14846
Name	OJ990409_08.9923.C15.o1.gs	Method	GENSCAN
Start	1031	End	6119
GI	none	Score	.68
Exons	1031..1155, 1277..1436, 1672..2084, 2224..2706, 3312..3393, 4137..4269, 4547..4610, 4812..4991, 5872..6119		

Seq. No.	30476	Seq. ID	OJ990409_08.9923.C15
Gene No.	63030	Strand	+
Start	758	End	14846
Name	OJ990409_08.9923.C15.o2.gp	Method	AAT/GAP
Start	1321	End	1734
GI	LIB3434-039-P1-K1-C10	Score	250

Exons	1321..1435, 1669..1734		
GI Descrip.	'4836868/gb|AAD30571.1|AC007260_2 5.0e-22 (AC007260) lcl_prt_seq No definition line found [Arabidopsis thaliana]'		

Seq. No.	30476	Seq. ID	OJ990409_08.9923.C15
Gene No.	63030	Strand	+
Start	758	End	14846
Name	OJ990409_08.9923.C15.o3.gp	Method	AAT/GAP
Start	2056	End	2681
GI	none	Score	938
Exons	2056..2084, 2224..2681		

Seq. No.	30476	Seq. ID	OJ990409_08.9923.C15
Gene No.	63030	Strand	+
Start	758	End	14846
Name	OJ990409_08.9923.C15.o2.np	Method	AAT/NAP
Start	5933	End	13683
GI	5852172	Score	106
Exons	5933..5963, 13257..13297, 13534..13557, 13603..13683		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	30476	Seq. ID	OJ990409_08.9923.C15
Gene No.	63030	Strand	+
Start	758	End	14846
Name	OJ990409_08.9923.C15.o3.gs	Method	GENSCAN
Start	11807	End	14846
GI	none	Score	.58
Exons	11807..11866, 12662..12886, 13257..13373, 13469..13625, 14478..14596, 14721..14846		

Seq. No.	30476	Seq. ID	OJ990409_08.9923.C15
Gene No.	63031	Strand	+
Start	15972	End	16277
Name	OJ990409_08.9923.C15.o4.gp	Method	AAT/GAP
Start	15972	End	16277
GI	427939	Score	534
Exons	15972..16277		

Seq. No.	30476	Seq. ID	OJ990409_08.9923.C15
Gene No.	63032	Strand	-
Start	7559	End	8467
Name	OJ990409_08.9923.C15.o1.tm	Method	TBLASTX:Maize
Start	885	End	1768
GI	none	Score	94
Exons	885..941, 887..955, 887..940, 1028..1153, 1029..1154, 1029..1154, 1031..1156, 1275..1430, 1276..1443, 1276..1443, 1319..1516, 1669..1767, 1670..1768		

Seq. No.	30476	Seq. ID	OJ990409_08.9923.C15
Gene No.	63032	Strand	-
Start	7559	End	8467
Name	OJ990409_08.9923.C15.o1.ts	Method	TBLASTX:Soybean
Start	885	End	1443
GI	none	Score	77
Exons	885..941, 887..943, 983..1153, 1029..1151, 1030..1155, 1269..1442, 1272..1391, 1273..1443		

Seq. No.	30476	Seq. ID	OJ990409_08.9923.C15
Gene No.	63032	Strand	-
Start	7559	End	8467
Name	OJ990409_08.9923.C15.o2.tm	Method	TBLASTX:Maize
Start	1989	End	3388
GI	none	Score	105
Exons	1989..2081, 1990..2088, 1991..2107, 2190..2336, 2232..2303, 2248..2499, 2250..2504, 2316..2519, 2527..2706, 2532..2705, 3310..3384, 3311..3388		

Seq. No.	30476	Seq. ID	OJ990409_08.9923.C15
Gene No.	63032	Strand	-
Start	7559	End	8467
Name	OJ990409_08.9923.C15.o2.gs	Method	GENSCAN
Start	7559	End	8467
GI	none	Score	.75
Exons	7559..7679, 8337..8467		

Seq. No.	30477	Seq. ID	OJ990409_08.9923.C16
Gene No.	63033	Strand	+
Start	1840	End	2410
Name	OJ990409_08.9923.C16.o1.gs	Method	GENSCAN
Start	1840	End	2410
GI	none	Score	.41
Exons	1840..1867, 2313..2410		

Seq. No.	30477	Seq. ID	OJ990409_08.9923.C16
Gene No.	63034	Strand	+
Start	5439	End	5672
Name	OJ990409_08.9923.C16.o1.np	Method	AAT/NAP
Start	5439	End	5672
GI	4263706	Score	87
Exons	5439..5672		
GI Descrip.	(AC006223) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30477	Seq. ID	OJ990409_08.9923.C16
Gene No.	63035	Strand	-
Start	2935	End	5621
Name	OJ990409_08.9923.C16.o2.gs	Method	GENSCAN
Start	2935	End	5621
GI	none	Score	.43
Exons	2935..3002, 3088..3216, 4142..4244, 5200..5621		

Seq. No.	30478	Seq. ID	OJ990409_08.9923.C17
Gene No.	63036	Strand	+
Start	5000	End	5316
Name	OJ990409_08.9923.C17.o2.gs	Method	GENSCAN
Start	5000	End	5316
GI	none	Score	.91
Exons	5000..5107, 5143..5316		

Seq. No.	30478	Seq. ID	OJ990409_08.9923.C17
Gene No.	63037	Strand	+
Start	21050	End	24945
Name	OJ990409_08.9923.C17.o2.gp	Method	AAT/GAP
Start	21032	End	21399
GI	428542	Score	578

Exons	21032..21399		
Seq. No.	30478	Seq. ID	OJ990409_08.9923.C17
Gene No.	63037	Strand	+
Start	21050	End	24945
Name	OJ990409_08.9923.C17.o6.gs	Method	GENSCAN
Start	21050	End	24711
GI	none	Score	.84
Exons	21050..21393, 22575..22692, 22788..22925, 23899..24047, 24534..24711		
Seq. No.	30478	Seq. ID	OJ990409_08.9923.C17
Gene No.	63037	Strand	+
Start	21050	End	24945
Name	OJ990409_08.9923.C17.o3.np	Method	AAT/NAP
Start	21507	End	24945
GI	6453893	Score	67
Exons	21507..21563, 22578..22692, 22788..22978, 24923..24945		
GI Descrip.	(AC011663) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	30478	Seq. ID	OJ990409_08.9923.C17
Gene No.	63038	Strand	-
Start	5449	End	5772
Name	OJ990409_08.9923.C17.o3.gs	Method	GENSCAN
Start	5449	End	5772
GI	none	Score	1
Exons	5449..5772		
Seq. No.	30478	Seq. ID	OJ990409_08.9923.C17
Gene No.	63039	Strand	-
Start	14508	End	14969
Name	OJ990409_08.9923.C17.o1.gp	Method	AAT/GAP
Start	14508	End	14969
GI	96783_1.R1084	Score	851
Exons	14508..14969		
GI Descrip.	'287938/emb|X54204|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		
Seq. No.	30478	Seq. ID	OJ990409_08.9923.C17
Gene No.	63040	Strand	-
Start	25745	End	28611
Name	OJ990409_08.9923.C17.o1.tm	Method	TBLASTX:Maize
Start	2	End	700
GI	none	Score	151
Exons	2..190, 307..384, 308..409, 413..511, 521..580, 632..700		
Seq. No.	30478	Seq. ID	OJ990409_08.9923.C17
Gene No.	63040	Strand	-
Start	25745	End	28611
Name	OJ990409_08.9923.C17.o1.ts	Method	TBLASTX:Soybean
Start	308	End	661
GI	none	Score	106
Exons	308..409, 416..499, 551..586, 632..661		
Seq. No.	30478	Seq. ID	OJ990409_08.9923.C17
Gene No.	63040	Strand	-
Start	25745	End	28611

Name	OJ990409_08.9923.C17.o3.tm	Method	TBLASTX:Maize
Start	21242	End	21404
GI	none	Score	190
Exons	21242..21394, 21283..21399, 21306..21404		

Seq. No.	30478	Seq. ID	OJ990409_08.9923.C17
Gene No.	63040	Strand	-
Start	25745	End	28611
Name	OJ990409_08.9923.C17.o2.tm	Method	TBLASTX:Maize
Start	22785	End	23002
GI	none	Score	282
Exons	22785..23000, 22787..23002		

Seq. No.	30478	Seq. ID	OJ990409_08.9923.C17
Gene No.	63040	Strand	-
Start	25745	End	28611
Name	OJ990409_08.9923.C17.o7.gs	Method	GENSCAN
Start	25745	End	28611
GI	none	Score	.75
Exons	25745..25817, 26980..27171, 28517..28611		

Seq. No.	30479	Seq. ID	OJ990409_08.9923.C18
Gene No.	63041	Strand	+
Start	1	End	1920
Name	OJ990409_08.9923.C18.o1.gp	Method	AAT/GAP
Start	1	End	1373
GI	39951_2.R1084	Score	779
Exons	1..169, 1114..1373		
GI Descrip.	'2832617/emb|CAA16746.1| 6.0e-26 (AL021711) putative protein [Arabidopsis thaliana]'		

Seq. No.	30479	Seq. ID	OJ990409_08.9923.C18
Gene No.	63041	Strand	+
Start	1	End	1920
Name	OJ990409_08.9923.C18.o1.np	Method	AAT/NAP
Start	1	End	1908
GI	3834322	Score	817
Exons	1..169, 1111..1470, 1498..1908		
GI Descrip.	(AC005679) EST gb|R30300 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	30479	Seq. ID	OJ990409_08.9923.C18
Gene No.	63041	Strand	+
Start	1	End	1920
Name	OJ990409_08.9923.C18.o1.gs	Method	GENSCAN
Start	299	End	1920
GI	none	Score	.73
Exons	299..370, 1114..1294, 1745..1920		

Seq. No.	30479	Seq. ID	OJ990409_08.9923.C18
Gene No.	63042	Strand	+
Start	2185	End	7891
Name	OJ990409_08.9923.C18.o1.tm	Method	TBLASTX:Maize
Start	26	End	2016
GI	none	Score	121
Exons	26..97, 64..99, 98..166, 100..159, 1111..1218, 1113..1220, 1113..1262, 1266..1664, 1267..1665, 1662..1853, 1663..1890,		

1676..1885, 1942..2016, 1943..2011

Seq. No.	30479	Seq. ID	OJ990409_08.9923.C18
Gene No.	63042	Strand	+
Start	2185	End	7891
Name	OJ990409_08.9923.C18.o4.ts	Method	TBLASTX:Soybean
Start	26	End	166
GI	none	Score	213
Exons	26..166, 73..159		

Seq. No.	30479	Seq. ID	OJ990409_08.9923.C18
Gene No.	63042	Strand	+
Start	2185	End	7891
Name	OJ990409_08.9923.C18.o2.tc	Method	TBLASTX:Cress
Start	26	End	166
GI	none	Score	207
Exons	26..166, 64..159		

Seq. No.	30479	Seq. ID	OJ990409_08.9923.C18
Gene No.	63042	Strand	+
Start	2185	End	7891
Name	OJ990409_08.9923.C18.o1.ts	Method	TBLASTX:Soybean
Start	1290	End	1908
GI	none	Score	210
Exons	1290..1490, 1291..1581, 1482..1538, 1593..1655, 1641..1718, 1645..1722, 1743..1802, 1744..1803, 1804..1875, 1818..1853, 1864..1908, 1884..1907		

Seq. No.	30479	Seq. ID	OJ990409_08.9923.C18
Gene No.	63042	Strand	+
Start	2185	End	7891
Name	OJ990409_08.9923.C18.o1.tw	Method	TBLASTX:Wheat
Start	1419	End	1794
GI	none	Score	194
Exons	1419..1634, 1419..1664, 1423..1674, 1647..1793, 1662..1793, 1663..1794		

Seq. No.	30479	Seq. ID	OJ990409_08.9923.C18
Gene No.	63042	Strand	+
Start	2185	End	7891
Name	OJ990409_08.9923.C18.o2.gs	Method	GENSCAN
Start	2185	End	4577
GI	none	Score	.51
Exons	2185..2371, 3188..3332, 3488..3662, 3714..3761, 4305..4577		

Seq. No.	30479	Seq. ID	OJ990409_08.9923.C18
Gene No.	63042	Strand	+
Start	2185	End	7891
Name	OJ990409_08.9923.C18.o2.np	Method	AAT/NAP
Start	4338	End	7891
GI	1076748	Score	710
Exons	4338..4493, 5463..5687, 6956..7171, 7256..7317, 7672..7891		
GI Descrip.	major intrinsic protein - rice gi|440869|dbj|BAA04257| (D17443) major intrinsic protein [Oryza sativa]		

Seq. No.	30479	Seq. ID	OJ990409_08.9923.C18
Gene No.	63042	Strand	+

Start	2185	End	7891
Name	OJ990409_08.9923.C18.o2.tm	Method	TBLASTX:Maize
Start	5462	End	7861
GI	none	Score	307
Exons	5462..5689, 5463..5705, 6957..6992, 7061..7174, 7066..7170, 7246..7323, 7661..7861, 7672..7839		

Seq. No.	30479	Seq. ID	OJ990409_08.9923.C18
Gene No.	63042	Strand	+
Start	2185	End	7891
Name	OJ990409_08.9923.C18.o1.tc	Method	TBLASTX:Cress
Start	5463	End	7861
GI	none	Score	278
Exons	5463..5705, 5468..5689, 6979..7056, 6983..7066, 7058..7174, 7060..7170, 7640..7861, 7663..7839		

Seq. No.	30479	Seq. ID	OJ990409_08.9923.C18
Gene No.	63042	Strand	+
Start	2185	End	7891
Name	OJ990409_08.9923.C18.o2.ts	Method	TBLASTX:Soybean
Start	5463	End	7174
GI	none	Score	263
Exons	5463..5705, 5468..5689, 7061..7174, 7066..7173		

Seq. No.	30479	Seq. ID	OJ990409_08.9923.C18
Gene No.	63042	Strand	+
Start	2185	End	7891
Name	OJ990409_08.9923.C18.o2.tw	Method	TBLASTX:Wheat
Start	7255	End	7864
GI	none	Score	242
Exons	7255..7326, 7661..7861, 7672..7839, 7805..7864		

Seq. No.	30479	Seq. ID	OJ990409_08.9923.C18
Gene No.	63042	Strand	+
Start	2185	End	7891
Name	OJ990409_08.9923.C18.o3.ts	Method	TBLASTX:Soybean
Start	7640	End	7861
GI	none	Score	245
Exons	7640..7861, 7672..7839		

Seq. No.	30480	Seq. ID	OJ990409_08.9923.C26
Gene No.	63043	Strand	+
Start	66	End	263
Name	OJ990409_08.9923.C26.o1.gs	Method	GENSCAN
Start	66	End	263
GI	none	Score	.69
Exons	66..263		

Seq. No.	30481	Seq. ID	OJ990409_08.9923.C29
Gene No.	63044	Strand	-
Start	126	End	263
Name	OJ990409_08.9923.C29.o1.gs	Method	GENSCAN
Start	126	End	263
GI	none	Score	.51
Exons	126..263		

Seq. No.	30482	Seq. ID	OJ990409_08.9923.C33

Gene No.	63045	Strand	-
Start	11	End	904
Name	OJ990409_08.9923.C33.o1.gs	Method	GENSCAN
Start	11	End	898
GI	none	Score	.49
Exons	11..898		

Seq. No.	30482	Seq. ID	OJ990409_08.9923.C33
Gene No.	63045	Strand	-
Start	11	End	904
Name	OJ990409_08.9923.C33.o1.np	Method	AAT/NAP
Start	14	End	904
GI	1196998	Score	1527
Exons	14..904		
GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi|5103202|dbj|BAA78838.1| (AP000342) transposase of Tn10 [Plasmid R100] gi|5706382|dbj|BAA83097.1| (AB026428) transposase [Methylomonas aminofaciens] gi|5738092|gb|AAD50250.1|AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi|6721110|gb|AAF26764.1|AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana]		

Seq. No.	30483	Seq. ID	OJ990419_08.9923.C1
Gene No.	63046	Strand	+
Start	8	End	193
Name	OJ990419_08.9923.C1.o1.gs	Method	GENSCAN
Start	8	End	193
GI	none	Score	.47
Exons	8..193		

Seq. No.	30483	Seq. ID	OJ990419_08.9923.C1
Gene No.	63047	Strand	-
Start	133	End	583
Name	OJ990419_08.9923.C1.o1.gp	Method	AAT/GAP
Start	133	End	583
GI	none	Score	699
Exons	133..583		

Seq. No.	30484	Seq. ID	OJ990419_08.9923.C3
Gene No.	63048	Strand	-
Start	1	End	202
Name	OJ990419_08.9923.C3.o1.np	Method	AAT/NAP
Start	1	End	202
GI	6478924	Score	125
Exons	1..81, 179..202		
GI Descrip.	(AC011436) unknown protein [Arabidopsis thaliana]		

Seq. No.	30485	Seq. ID	OJ990419_08.9923.C4
Gene No.	63049	Strand	-
Start	321	End	386
Name	OJ990419_08.9923.C4.o1.gs	Method	GENSCAN
Start	321	End	386
GI	none	Score	.73
Exons	321..386		

Seq. No.	30486	Seq. ID	OJ990419_08.9923.C5
Gene No.	63050	Strand	+

Start	193	End	479
Name	OJ990419_08.9923.C5.o1.gs	Method	GENSCAN
Start	193	End	479
GI	none	Score	.55
Exons	193..479		

Seq. No.	30486	Seq. ID	OJ990419_08.9923.C5
Gene No.	63051	Strand	-
Start	183	End	487
Name	OJ990419_08.9923.C5.o1.ts	Method	TBLASTX:Soybean
Start	177	End	401
GI	none	Score	97
Exons	177..401, 181..393		

Seq. No.	30486	Seq. ID	OJ990419_08.9923.C5
Gene No.	63051	Strand	-
Start	183	End	487
Name	OJ990419_08.9923.C5.o1.tc	Method	TBLASTX:Cress
Start	180	End	386
GI	none	Score	79
Exons	180..386, 181..384		

Seq. No.	30486	Seq. ID	OJ990419_08.9923.C5
Gene No.	63051	Strand	-
Start	183	End	487
Name	OJ990419_08.9923.C5.o1.np	Method	AAT/NAP
Start	183	End	487
GI	6911882	Score	227
Exons	183..487		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	30487	Seq. ID	OJ990419_08.9923.C6
Gene No.	63052	Strand	+
Start	287	End	569
Name	OJ990419_08.9923.C6.o1.gs	Method	GENSCAN
Start	287	End	569
GI	none	Score	.46
Exons	287..569		

Seq. No.	30488	Seq. ID	OJ990419_08.9923.C7
Gene No.	63053	Strand	+
Start	612	End	752
Name	OJ990419_08.9923.C7.o1.gp	Method	AAT/GAP
Start	612	End	752
GI	3106862	Score	282
Exons	612..752		

Seq. No.	30489	Seq. ID	OJ990419_08.9923.C8
Gene No.	63054	Strand	+
Start	804	End	1237
Name	OJ990419_08.9923.C8.o1.tc	Method	TBLASTX:Cress
Start	793	End	1175
GI	none	Score	131
Exons	793..999, 800..1159, 803..1168, 804..1175		

Seq. No.	30489	Seq. ID	OJ990419_08.9923.C8
Gene No.	63054	Strand	+

Start	804	End	1237
Name	OJ990419_08.9923.C8.o1.tm	Method	TBLASTX:Maize
Start	803	End	1180
GI	none	Score	674
Exons	803..1180, 804..1178		

Seq. No.	30489	Seq. ID	OJ990419_08.9923.C8
Gene No.	63054	Strand	+
Start	804	End	1237
Name	OJ990419_08.9923.C8.o1.ts	Method	TBLASTX:Soybean
Start	803	End	1180
GI	none	Score	639
Exons	803..1180, 804..1175		

Seq. No.	30489	Seq. ID	OJ990419_08.9923.C8
Gene No.	63054	Strand	+
Start	804	End	1237
Name	OJ990419_08.9923.C8.o1.np	Method	AAT/NAP
Start	804	End	1237
GI	130709	Score	642
Exons	804..1237		
GI Descrip.	SERINE/THREONINE PROTEIN PHOSPHATASE PP1 gi|322875|pir||S29317 phosphoprotein phosphatase (EC 3.1.3.16) 1 - maize gi|168723 (M60215) protein phosphatase-1 [Zea mays] gi|445586|prf||1909338A protein phosphatase 1 [Zea mays]		

Seq. No.	30489	Seq. ID	OJ990419_08.9923.C8
Gene No.	63054	Strand	+
Start	804	End	1237
Name	OJ990419_08.9923.C8.o1.gp	Method	AAT/GAP
Start	805	End	1063
GI	22399_1.R1084	Score	492
Exons	805..1063		
GI Descrip.	'130709/sp|P22198|PP1_MAIZE 3.0e-64 SERINE/THREONINE PROTEIN PHOSPHATASE PP1 >gi_322875_pir__S29317 phosphoprotein phosphatase (EC 3.1.3.16) 1 - maize >gi_168723 (M60215) protein phosphatase-1 [Zea mays] >gi_445586_prf__1909338A protein phosphatase 1 [Zea mays]'		

Seq. No.	30489	Seq. ID	OJ990419_08.9923.C8
Gene No.	63054	Strand	+
Start	804	End	1237
Name	OJ990419_08.9923.C8.o1.tw	Method	TBLASTX:Wheat
Start	807	End	1180
GI	none	Score	623
Exons	807..1175, 807..1175, 814..1176, 815..1180		

Seq. No.	30490	Seq. ID	OJ990419_08.9923.C9
Gene No.	63055	Strand	-
Start	518	End	599
Name	OJ990419_08.9923.C9.o1.gs	Method	GENSCAN
Start	518	End	599
GI	none	Score	.92
Exons	518..599		

Seq. No.	30491	Seq. ID	OJ990419_08.9923.C10
Gene No.	63056	Strand	-

Start	362	End	567
Name	OJ990419_08.9923.C10.o1.gs	Method	GENSCAN
Start	362	End	567
GI	none	Score	.88
Exons	362..567		

Seq. No.	30492	Seq. ID	OJ990419_08.9923.C11
Gene No.	63057	Strand	+
Start	436	End	630
Name	OJ990419_08.9923.C11.o1.gs	Method	GENSCAN
Start	436	End	630
GI	none	Score	.86
Exons	436..630		

Seq. No.	30493	Seq. ID	OJ990419_08.9923.C12
Gene No.	63058	Strand	-
Start	584	End	788
Name	OJ990419_08.9923.C12.o1.gp	Method	AAT/GAP
Start	584	End	788
GI	1680_1.R1084	Score	389
Exons	584..788		
GI Descrip.	'1076813/pir||S46309 3.0e-33 initiator-binding protein - maize'		

Seq. No.	30494	Seq. ID	OJ990419_08.9923.C13
Gene No.	63059	Strand	-
Start	1	End	1540
Name	OJ990419_08.9923.C13.o1.gp	Method	AAT/GAP
Start	1	End	515
GI	427671	Score	590
Exons	1..184, 286..349, 449..515		
GI Descrip.	1076813/pir||S46309 3.0e-33 initiator-binding protein - maize		

Seq. No.	30494	Seq. ID	OJ990419_08.9923.C13
Gene No.	63059	Strand	-
Start	1	End	1540
Name	OJ990419_08.9923.C13.o1.np	Method	AAT/NAP
Start	10	End	1540
GI	1076812	Score	447
Exons	10..184, 286..349, 449..752, 919..1186, 1511..1540		
GI Descrip.	initiator-binding protein - maize gi|483490|emb|CAA55691| (X79085) initiator binding protein [Zea mays]		

Seq. No.	30494	Seq. ID	OJ990419_08.9923.C13
Gene No.	63059	Strand	-
Start	1	End	1540
Name	OJ990419_08.9923.C13.o1.gs	Method	GENSCAN
Start	14	End	1181
GI	none	Score	.96
Exons	14..184, 286..409, 449..739, 937..1181		

Seq. No.	30494	Seq. ID	OJ990419_08.9923.C13
Gene No.	63059	Strand	-
Start	1	End	1540
Name	OJ990419_08.9923.C13.o1.tm	Method	TBLASTX:Maize
Start	38	End	1187
GI	none	Score	95
Exons	38..205, 44..187, 286..351, 286..351, 445..546, 448..540,		

571..675, 1008..1187

Seq. No.	30494	Seq. ID	OJ990419_08.9923.C13
Gene No.	63059	Strand	-
Start	1	End	1540
Name	OJ990419_08.9923.C13.o1.ts	Method	TBLASTX:Soybean
Start	44	End	1187
GI	none	Score	85
Exons	44..187, 47..205, 275..352, 286..351, 434..544, 445..552, 1026..1187		

Seq. No.	30494	Seq. ID	OJ990419_08.9923.C13
Gene No.	63059	Strand	-
Start	1	End	1540
Name	OJ990419_08.9923.C13.o1.tc	Method	TBLASTX:Cress
Start	47	End	1187
GI	none	Score	73
Exons	47..205, 62..187, 286..351, 445..552, 541..633, 1026..1187		

Seq. No.	30495	Seq. ID	OJ990419_08.9923.C14
Gene No.	63060	Strand	+
Start	3827	End	6169
Name	OJ990419_08.9923.C14.o2.gs	Method	GENSCAN
Start	3827	End	5854
GI	none	Score	.5
Exons	3827..4035, 4717..5032, 5150..5326, 5435..5504, 5595..5666, 5799..5854		

Seq. No.	30495	Seq. ID	OJ990419_08.9923.C14
Gene No.	63060	Strand	+
Start	3827	End	6169
Name	OJ990419_08.9923.C14.o3.gp	Method	AAT/GAP
Start	4736	End	6169
GI	1680_1.R1084	Score	1852
Exons	4736..5032, 5150..5326, 5435..5504, 5595..5666, 5799..6169		
GI Descrip.	'1076813/pir||S46309 3.0e-33 initiator-binding protein - maize'		

Seq. No.	30495	Seq. ID	OJ990419_08.9923.C14
Gene No.	63061	Strand	-
Start	1	End	3048
Name	OJ990419_08.9923.C14.o1.np	Method	AAT/NAP
Start	1	End	1195
GI	5459298	Score	59
Exons	1..35, 228..370, 768..919, 1039..1195		
GI Descrip.	(Y17722) telomere repeat-binding protein TRP1 [Arabidopsis thaliana]		

Seq. No.	30495	Seq. ID	OJ990419_08.9923.C14
Gene No.	63061	Strand	-
Start	1	End	3048
Name	OJ990419_08.9923.C14.o1.gs	Method	GENSCAN
Start	288	End	2793
GI	none	Score	.72
Exons	288..367, 768..884, 1028..1880, 1959..2052, 2453..2793		

Seq. No.	30495	Seq. ID	OJ990419_08.9923.C14
Gene No.	63061	Strand	-

Start	1	End	3048
Name	OJ990419_08.9923.C14.o1.gp	Method	AAT/GAP
Start	1036	End	1573
GI	uC-osflcyp152g10b1	Score	1060
Exons	1036..1573		
GI Descrip.	'4960051/gb|AAD34597.1|AF147739_1 2.0e-63 (AF147739) myosin XI [Zea mays]'		

Seq. No.	30495	Seq. ID	OJ990419_08.9923.C14
Gene No.	63061	Strand	-
Start	1	End	3048
Name	OJ990419_08.9923.C14.o2.gp	Method	AAT/GAP
Start	2006	End	3048
GI	none	Score	938
Exons	2006..2112, 2527..2750, 2887..3048		

Seq. No.	30495	Seq. ID	OJ990419_08.9923.C14
Gene No.	63062	Strand	-
Start	6507	End	11577
Name	OJ990419_08.9923.C14.o2.tm	Method	TBLASTX:Maize
Start	1039	End	1564
GI	none	Score	62
Exons	1039..1131, 1040..1114, 1044..1139, 1134..1328, 1138..1320, 1139..1366, 1140..1334, 1148..1339, 1337..1468, 1344..1475, 1349..1465, 1375..1467, 1521..1562, 1529..1564		

Seq. No.	30495	Seq. ID	OJ990419_08.9923.C14
Gene No.	63062	Strand	-
Start	6507	End	11577
Name	OJ990419_08.9923.C14.o1.tm	Method	TBLASTX:Maize
Start	4766	End	5882
GI	none	Score	72
Exons	4766..4825, 4769..4825, 4851..4883, 4862..4885, 4888..4962, 4889..5032, 4889..4987, 5152..5331, 5153..5326, 5153..5344, 5155..5331, 5434..5502, 5435..5503, 5438..5503, 5584..5667, 5594..5668, 5594..5668, 5790..5870, 5798..5881, 5799..5882		

Seq. No.	30495	Seq. ID	OJ990419_08.9923.C14
Gene No.	63062	Strand	-
Start	6507	End	11577
Name	OJ990419_08.9923.C14.o3.gs	Method	GENSCAN
Start	6507	End	11577
GI	none	Score	76
Exons	6507..6722, 7100..7160, 9197..9279, 9361..9441, 9539..9571, 9719..9820, 9901..9996, 10083..10244, 10347..10538, 10818..10889, 10989..11202, 11300..11577		

Seq. No.	30495	Seq. ID	OJ990419_08.9923.C14
Gene No.	63062	Strand	-
Start	6507	End	11577
Name	OJ990419_08.9923.C14.o3.ts	Method	TBLASTX:Soybean
Start	6595	End	9439
GI	none	Score	62
Exons	6595..6681, 6603..6722, 6669..6722, 6797..6868, 6798..6896, 7049..7159, 7101..7163, 7110..7166, 8390..8524, 8395..8532, 8399..8533, 9196..9282, 9203..9280, 9208..9282, 9361..9438, 9362..9439		

Seq. No.	30495	Seq. ID	OJ990419_08.9923.C14
Gene No.	63062	Strand	-
Start	6507	End	11577
Name	OJ990419_08.9923.C14.o2.np	Method	AAT/NAP
Start	6645	End	11142
GI	5915855	Score	654
Exons	6645..6722, 6800..6865, 7100..7160, 8329..8554, 9197..9279, 9361..9441, 9539..9571, 9719..9820, 9901..9996, 10077..10244, 10347..10538, 10620..10730, 10818..10889, 10989..11142		
GI Descrip.	CYTOCHROME P450 97B2 gi|2738996|gb|AAB94586| (AF022457) CYP97B2p [Glycine max]		

Seq. No.	30495	Seq. ID	OJ990419_08.9923.C14
Gene No.	63062	Strand	-
Start	6507	End	11577
Name	OJ990419_08.9923.C14.o4.tm	Method	TBLASTX:Maize
Start	8500	End	9577
GI	none	Score	70
Exons	8500..8532, 9202..9282, 9204..9278, 9209..9280, 9322..9387, 9361..9444, 9362..9442, 9500..9574, 9512..9577		

Seq. No.	30495	Seq. ID	OJ990419_08.9923.C14
Gene No.	63062	Strand	-
Start	6507	End	11577
Name	OJ990419_08.9923.C14.o1.tc	Method	TBLASTX:Cress
Start	9361	End	10151
GI	none	Score	68
Exons	9361..9483, 9362..9439, 9530..9568, 9722..9820, 9726..9821, 9898..9969, 9900..9998, 9901..9999, 10083..10151		

Seq. No.	30495	Seq. ID	OJ990419_08.9923.C14
Gene No.	63062	Strand	-
Start	6507	End	11577
Name	OJ990419_08.9923.C14.o3.tm	Method	TBLASTX:Maize
Start	9719	End	11126
GI	none	Score	81
Exons	9719..9820, 9741..9806, 10083..10247, 10096..10245, 10347..10451, 10626..10733, 10636..10731, 10815..10907, 10818..10895, 10989..11126, 10990..11121		

Seq. No.	30495	Seq. ID	OJ990419_08.9923.C14
Gene No.	63062	Strand	-
Start	6507	End	11577
Name	OJ990419_08.9923.C14.o1.ts	Method	TBLASTX:Soybean
Start	9734	End	10247
GI	none	Score	106
Exons	9734..9820, 9738..9821, 9891..9998, 9892..9999, 9898..9969, 9900..9998, 10083..10247, 10084..10245		

Seq. No.	30495	Seq. ID	OJ990419_08.9923.C14
Gene No.	63062	Strand	-
Start	6507	End	11577
Name	OJ990419_08.9923.C14.o4.gp	Method	AAT/GAP
Start	10091	End	10703
GI	uC-osflcyp121c03b1	Score	816
Exons	10091..10244, 10347..10538, 10620..10703		

GI Descrip. '2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'

Seq. No.	30495	Seq. ID	OJ990419_08.9923.C14
Gene No.	63062	Strand	-
Start	6507	End	11577
Name	OJ990419_08.9923.C14.o2.ts	Method	TBLASTX:Soybean
Start	10696	End	11121
GI	none	Score	40
Exons	10696..10731, 10701..10739, 10818..10895, 10819..10917, 10989..11120, 10993..11121		

Seq. No.	30496	Seq. ID	OJ990419_08.9923.C15
Gene No.	63063	Strand	+
Start	8198	End	9166
Name	OJ990419_08.9923.C15.o2.gs	Method	GENSCAN
Start	8198	End	9166
GI	none	Score	.54
Exons	8198..9166		

Seq. No.	30496	Seq. ID	OJ990419_08.9923.C15
Gene No.	63064	Strand	+
Start	11191	End	11479
Name	OJ990419_08.9923.C15.o1.gp	Method	AAT/GAP
Start	11191	End	11479
GI	426253	Score	526
Exons	11191..11479		

Seq. No.	30496	Seq. ID	OJ990419_08.9923.C15
Gene No.	63065	Strand	-
Start	538	End	6451
Name	OJ990419_08.9923.C15.o1.gs	Method	GENSCAN
Start	538	End	6451
GI	none	Score	.63
Exons	538..554, 1056..1316, 1569..1584, 2331..2512, 3673..3727, 4098..4287, 6447..6451		

Seq. No.	30496	Seq. ID	OJ990419_08.9923.C15
Gene No.	63066	Strand	-
Start	9365	End	16370
Name	OJ990419_08.9923.C15.o3.gs	Method	GENSCAN
Start	9365	End	16370
GI	none	Score	.44
Exons	9365..10214, 10837..10969, 11589..11719, 11990..12351, 12653..13408, 15478..15555, 15711..16370		

Seq. No.	30496	Seq. ID	OJ990419_08.9923.C15
Gene No.	63066	Strand	-
Start	9365	End	16370
Name	OJ990419_08.9923.C15.o1.np	Method	AAT/NAP
Start	9368	End	16370
GI	6172381	Score	4899
Exons	9368..10964, 11935..12318, 12653..13426, 14441..14616, 14739..14847, 15658..16370		

GI Descrip. (AB026839) Pi-b protein [Oryza sativa]

Seq. No.	30496	Seq. ID	OJ990419_08.9923.C15
Gene No.	63066	Strand	-
Start	9365	End	16370
Name	OJ990419_08.9923.C15.o3.tw	Method	TBLASTX:Wheat
Start	10399	End	10755
GI	none	Score	39
Exons	10399..10437, 10431..10571, 10431..10559, 10606..10755, 10608..10712		

Seq. No.	30496	Seq. ID	OJ990419_08.9923.C15
Gene No.	63066	Strand	-
Start	9365	End	16370
Name	OJ990419_08.9923.C15.o1.ts	Method	TBLASTX:Soybean
Start	10407	End	12255
GI	none	Score	70
Exons	10407..10517, 10674..10718, 10749..10886, 11932..12255, 12023..12076, 12134..12253		

Seq. No.	30496	Seq. ID	OJ990419_08.9923.C15
Gene No.	63066	Strand	-
Start	9365	End	16370
Name	OJ990419_08.9923.C15.o3.tm	Method	TBLASTX:Maize
Start	10410	End	10827
GI	none	Score	108
Exons	10410..10559, 10411..10560, 10563..10718, 10567..10719, 10714..10827		

Seq. No.	30496	Seq. ID	OJ990419_08.9923.C15
Gene No.	63066	Strand	-
Start	9365	End	16370
Name	OJ990419_08.9923.C15.o5.tm	Method	TBLASTX:Maize
Start	11935	End	12195
GI	none	Score	73
Exons	11935..12195, 11936..12181		

Seq. No.	30496	Seq. ID	OJ990419_08.9923.C15
Gene No.	63066	Strand	-
Start	9365	End	16370
Name	OJ990419_08.9923.C15.o1.tw	Method	TBLASTX:Wheat
Start	11981	End	12280
GI	none	Score	134
Exons	11981..12280, 11986..12279		

Seq. No.	30496	Seq. ID	OJ990419_08.9923.C15
Gene No.	63066	Strand	-
Start	9365	End	16370
Name	OJ990419_08.9923.C15.o1.tm	Method	TBLASTX:Maize
Start	14433	End	14805
GI	none	Score	377
Exons	14433..14801, 14434..14805		

Seq. No.	30496	Seq. ID	OJ990419_08.9923.C15
Gene No.	63066	Strand	-
Start	9365	End	16370
Name	OJ990419_08.9923.C15.o2.ts	Method	TBLASTX:Soybean

Start	14434	End	14925
GI	none	Score	38
Exons	14434..14472, 14524..14772, 14824..14925		

Seq. No.	30496	Seq. ID	OJ990419_08.9923.C15
Gene No.	63066	Strand	-
Start	9365	End	16370
Name	OJ990419_08.9923.C15.o2.tw	Method	TBLASTX:Wheat
Start	14443	End	14883
GI	none	Score	196
Exons	14443..14742, 14448..14633, 14755..14883		

Seq. No.	30496	Seq. ID	OJ990419_08.9923.C15
Gene No.	63066	Strand	-
Start	9365	End	16370
Name	OJ990419_08.9923.C15.o4.tm	Method	TBLASTX:Maize
Start	14817	End	15180
GI	none	Score	204
Exons	14817..15065, 14818..15090, 15097..15180		

Seq. No.	30496	Seq. ID	OJ990419_08.9923.C15
Gene No.	63066	Strand	-
Start	9365	End	16370
Name	OJ990419_08.9923.C15.o2.tm	Method	TBLASTX:Maize
Start	15238	End	15603
GI	none	Score	90
Exons	15238..15348, 15367..15603, 15376..15582		

Seq. No.	30496	Seq. ID	OJ990419_08.9923.C15
Gene No.	63066	Strand	-
Start	9365	End	16370
Name	OJ990419_08.9923.C15.o4.tw	Method	TBLASTX:Wheat
Start	15376	End	15564
GI	none	Score	203
Exons	15376..15564		

Seq. No.	30497	Seq. ID	OJ990419_08.9923.C16
Gene No.	63067	Strand	-
Start	1588	End	2039
Name	OJ990419_08.9923.C16.o1.gp	Method	AAT/GAP
Start	1588	End	2039
GI	4689079	Score	390
Exons	1588..1718, 1886..2039		
GI Descrip.	4521190/dbj|BAA76281.1| 0.0e+00 (AB013448) Pib [Oryza sativa] >gi_4521192_dbj_BAA76282.1_ (AB013449) Pib [Oryza sativa]		

Seq. No.	30497	Seq. ID	OJ990419_08.9923.C16
Gene No.	63068	Strand	
Start	3431	End	4560
Name	OJ990419_08.9923.C16.o1.ts	Method	TBLASTX:Soybean
Start	3431	End	4067
GI	none	Score	37
Exons	3431..3496, 3656..3712, 3665..3715, 3820..3915, 3823..3927, 3830..3925, 3998..4066, 4002..4067		

Seq. No.	30497	Seq. ID	OJ990419_08.9923.C16
Gene No.	63068	Strand	

Start	3431	End	4560
Name	OJ990419_08.9923.C16.o1.tm	Method	TBLASTX:Maize
Start	3635	End	4560
GI	none	Score	83
Exons	3635..3712, 3639..3710, 3641..3715, 3822..3920, 3823..3921, 3827..3919, 3827..3943, 3985..4074, 3999..4076, 4525..4560		

Seq. No.	30497	Seq. ID	OJ990419_08.9923.C16
Gene No.	63069	Strand	
Start	4525	End	5692
Name	OJ990419_08.9923.C16.o2.ts	Method	TBLASTX:Soybean
Start	4525	End	5692
GI	none	Score	98
Exons	4525..4626, 4526..4621, 4870..4986, 4874..4990, 4874..4990, 5073..5162, 5104..5166, 5111..5167, 5442..5510, 5444..5509, 5621..5692, 5623..5691		

Seq. No.	30497	Seq. ID	OJ990419_08.9923.C16
Gene No.	63069	Strand	
Start	4525	End	5692
Name	OJ990419_08.9923.C16.o2.tm	Method	TBLASTX:Maize
Start	4862	End	5691
GI	none	Score	110
Exons	4862..4990, 4874..4990, 5104..5166, 5111..5167, 5442..5510, 5443..5511, 5444..5509, 5458..5523, 5622..5687, 5622..5678, 5623..5691, 5627..5689		

Seq. No.	30498	Seq. ID	OJ990419_08.9923.C17
Gene No.	63070	Strand	+
Start	1	End	6575
Name	OJ990419_08.9923.C17.o1.np	Method	AAT/NAP
Start	1	End	1877
GI	3128231	Score	565
Exons	1..137, 284..684, 793..1877		
GI Descrip.	(AC004077) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30498	Seq. ID	OJ990419_08.9923.C17
Gene No.	63070	Strand	+
Start	1	End	6575
Name	OJ990419_08.9923.C17.o1.gs	Method	GENSCAN
Start	6	End	6575
GI	none	Score	.78
Exons	6..1691, 1797..1907, 3051..3174, 3394..3488, 6172..6354, 6510..6575		

Seq. No.	30498	Seq. ID	OJ990419_08.9923.C17
Gene No.	63070	Strand	+
Start	1	End	6575
Name	OJ990419_08.9923.C17.o1.gp	Method	AAT/GAP
Start	6377	End	6434
GI	4715947	Score	61
Exons	6377..6434		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		

Seq. No.	30498	Seq. ID	OJ990419_08.9923.C17
Gene No.	63071	Strand	+
Start	7894	End	8608
Name	OJ990419_08.9923.C17.o2.gs	Method	GENSCAN
Start	7894	End	8608
GI	none	Score	1
Exons	7894..8044, 8154..8608		

Seq. No.	30498	Seq. ID	OJ990419_08.9923.C17
Gene No.	63072	Strand	+
Start	10207	End	12183
Name	OJ990419_08.9923.C17.o2.np	Method	AAT/NAP
Start	9864	End	12138
GI	4063749	Score	171
Exons	9864..9905, 10464..10584, 10669..10843, 11645..11757, 11846..12138		
GI Descrip.	(AC005851) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30498	Seq. ID	OJ990419_08.9923.C17
Gene No.	63072	Strand	+
Start	10207	End	12183
Name	OJ990419_08.9923.C17.o3.gs	Method	GENSCAN
Start	10207	End	12183
GI	none	Score	.98
Exons	10207..10215, 10278..10584, 10669..10994, 11661..11757, 11846..12183		

Seq. No.	30498	Seq. ID	OJ990419_08.9923.C17
Gene No.	63073	Strand	-
Start	14443	End	14892
Name	OJ990419_08.9923.C17.o1.tm	Method	TBLASTX:Maize
Start	351	End	1727
GI	none	Score	103
Exons	351..524, 362..406, 489..686, 561..632, 740..781, 819..890, 873..1094, 1122..1202, 1224..1727, 1262..1579		

Seq. No.	30498	Seq. ID	OJ990419_08.9923.C17
Gene No.	63073	Strand	-
Start	14443	End	14892
Name	OJ990419_08.9923.C17.o1.ts	Method	TBLASTX:Soybean
Start	477	End	1571
GI	none	Score	85
Exons	477..629, 1134..1196, 1209..1532, 1217..1510, 1227..1532, 1449..1571		

Seq. No.	30498	Seq. ID	OJ990419_08.9923.C17
Gene No.	63073	Strand	-
Start	14443	End	14892
Name	OJ990419_08.9923.C17.o1.tw	Method	TBLASTX:Wheat
Start	816	End	1442
GI	none	Score	108
Exons	816..1040, 1014..1103, 1122..1196, 1122..1163, 1224..1439, 1236..1442		

Seq. No.	30498	Seq. ID	OJ990419_08.9923.C17
Gene No.	63073	Strand	-

Start	14443	End	14892
Name	OJ990419_08.9923.C17.o1.tc	Method	TBLASTX:Cress
Start	1230	End	1727
GI	none	Score	305
Exons	1230..1727, 1266..1460, 1268..1621		

Seq. No.	30498	Seq. ID	OJ990419_08.9923.C17
Gene No.	63073	Strand	-
Start	14443	End	14892
Name	OJ990419_08.9923.C17.o4.gs	Method	GENSCAN
Start	14443	End	14892
GI	none	Score	.73
Exons	14443..14524, 14752..14892		

Seq. No.	30499	Seq. ID	OJ990419_08.9923.C18
Gene No.	63074	Strand	-
Start	1519	End	1904
Name	OJ990419_08.9923.C18.o1.gs	Method	GENSCAN
Start	1519	End	1904
GI	none	Score	.97
Exons	1519..1655, 1859..1904		

Seq. No.	30500	Seq. ID	OJ990419_08.9923.C19
Gene No.	63075	Strand	-
Start	8852	End	9054
Name	OJ990419_08.9923.C19.o2.gs	Method	GENSCAN
Start	8852	End	9054
GI	none	Score	.73
Exons	8852..9054		

Seq. No.	30501	Seq. ID	OJ990419_08.9923.C20
Gene No.	63076	Strand	+
Start	224	End	819
Name	OJ990419_08.9923.C20.o1.gs	Method	GENSCAN
Start	224	End	819
GI	none	Score	.82
Exons	224..257, 755..819		

Seq. No.	30501	Seq. ID	OJ990419_08.9923.C20
Gene No.	63077	Strand	-
Start	1674	End	1863
Name	OJ990419_08.9923.C20.o2.gs	Method	GENSCAN
Start	1674	End	1863
GI	none	Score	.59
Exons	1674..1745, 1822..1863		

Seq. No.	30502	Seq. ID	OJ990419_08.9923.C21
Gene No.	63078	Strand	+
Start	1	End	2650
Name	OJ990419_08.9923.C21.o1.np	Method	AAT/NAP
Start	1	End	2386
GI	6478924	Score	342
Exons	1..40, 342..445, 543..648, 717..790, 1828..1929, 2008..2103, 2266..2386		
GI Descrip.	(AC011436) unknown protein [Arabidopsis thaliana]		

Seq. No.	30502	Seq. ID	OJ990419_08.9923.C21

Gene No.	63078	Strand	+
Start	1	End	2650
Name	OJ990419_08.9923.C21.o1.tm	Method	TBLASTX:Maize
Start	314	End	587
GI	none	Score	193
Exons	314..445, 349..414, 351..446,	352..447, 541..570, 543..587	

Seq. No.	30502	Seq. ID	OJ990419_08.9923.C21
Gene No.	63078	Strand	+
Start	1	End	2650
Name	OJ990419_08.9923.C21.o1.gs	Method	GENSCAN
Start	353	End	2333
GI	none	Score	.81
Exons	353..445, 543..644, 722..790,	2008..2103, 2238..2333	

Seq. No.	30502	Seq. ID	OJ990419_08.9923.C21
Gene No.	63078	Strand	+
Start	1	End	2650
Name	OJ990419_08.9923.C21.o1.ts	Method	TBLASTX:Soybean
Start	359	End	647
GI	none	Score	128
Exons	359..445, 543..647		

Seq. No.	30502	Seq. ID	OJ990419_08.9923.C21
Gene No.	63078	Strand	+
Start	1	End	2650
Name	OJ990419_08.9923.C21.o1.gp	Method	AAT/GAP
Start	2035	End	2650
GI	2428101	Score	851
Exons	2035..2103, 2266..2650		

Seq. No.	30503	Seq. ID	OJ990419_08.9923.C22
Gene No.	63079	Strand	+
Start	203	End	1515
Name	OJ990419_08.9923.C22.o1.np	Method	AAT/NAP
Start	203	End	1096
GI	4973264	Score	178
Exons	203..278, 360..430, 987..1096		
GI Descrip.	(AF144391) thioredoxin-like 5 [Arabidopsis thaliana]		

Seq. No.	30503	Seq. ID	OJ990419_08.9923.C22
Gene No.	63079	Strand	+
Start	203	End	1515
Name	OJ990419_08.9923.C22.o1.gs	Method	GENSCAN
Start	360	End	1099
GI	none	Score	.73
Exons	360..426, 1001..1099		

Seq. No.	30503	Seq. ID	OJ990419_08.9923.C22
Gene No.	63079	Strand	+
Start	203	End	1515
Name	OJ990419_08.9923.C22.o1.gp	Method	AAT/GAP
Start	367	End	1515
GI	4725_1.R1084	Score	1052
Exons	367..426, 1001..1515		
GI Descrip.	'2586086/gb|U72724|OSU72724 8.0e-14 Oryza sativa receptor kinase-like protein gene, family member E, complete cds'		

Seq. No.	30503	Seq. ID	OJ990419_08.9923.C22
Gene No.	63080	Strand	+
Start	2097	End	8928
Name	OJ990419_08.9923.C22.o2.gs	Method	GENSCAN
Start	2097	End	8928
GI	none	Score	.91
Exons	2097..2299, 2846..3036, 3682..4292, 4702..5533, 5613..6174, 6258..6399, 6509..6616, 6732..6944, 7032..7142, 7361..7555, 7771..7945, 8798..8928		

Seq. No.	30503	Seq. ID	OJ990419_08.9923.C22
Gene No.	63080	Strand	+
Start	2097	End	8928
Name	OJ990419_08.9923.C22.o2.np	Method	AAT/NAP
Start	3497	End	7997
GI	3980413	Score	1600
Exons	3497..3622, 3752..4160, 4191..4292, 4702..4817, 4884..5563, 5610..6174, 6258..6399, 6509..6616, 6732..6944, 7032..7142, 7361..7555, 7771..7997		
GI Descrip.	(AC004561) putative pumilio/Mpt5 family RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	30503	Seq. ID	OJ990419_08.9923.C22
Gene No.	63081	Strand	-
Start	8086	End	8517
Name	OJ990419_08.9923.C22.o2.gp	Method	AAT/GAP
Start	8086	End	8517
GI	none	Score	848
Exons	8086..8517		

Seq. No.	30503	Seq. ID	OJ990419_08.9923.C22
Gene No.	63082	Strand	-
Start	9232	End	10927
Name	OJ990419_08.9923.C22.o2.tm	Method	TBLASTX:Maize
Start	3695	End	5460
GI	none	Score	212
Exons	3695..3847, 3696..3863, 3700..3909, 3880..4113, 3894..4118, 3894..4010, 3904..4113, 3920..4135, 4128..4292, 4128..4292, 4178..4297, 4184..4303, 4685..4783, 4695..4799, 4699..4800, 4787..5026, 4790..5020, 4791..5030, 4792..5031, 5013..5285, 5026..5460, 5045..5458, 5245..5460		

Seq. No.	30503	Seq. ID	OJ990419_08.9923.C22
Gene No.	63082	Strand	-
Start	9232	End	10927
Name	OJ990419_08.9923.C22.o2.tc	Method	TBLASTX:Cress
Start	3761	End	4010
GI	none	Score	90
Exons	3761..3835, 3762..3839, 3879..4010, 3906..4004, 3926..4006		

Seq. No.	30503	Seq. ID	OJ990419_08.9923.C22
Gene No.	63082	Strand	-
Start	9232	End	10927
Name	OJ990419_08.9923.C22.o3.ts	Method	TBLASTX:Soybean
Start	3761	End	4022
GI	none	Score	72

Exons	3761..3832, 3762..3833, 3897..4022, 3920..4015		

Seq. No.	30503	Seq. ID	OJ990419_08.9923.C22
Gene No.	63082	Strand	-
Start	9232	End	10927
Name	OJ990419_08.9923.C22.o3.tm	Method	TBLASTX:Maize
Start	5462	End	5851
GI	none	Score	76
Exons	5462..5566, 5462..5536, 5612..5668, 5612..5668, 5613..5669, 5670..5846, 5674..5847, 5674..5847, 5675..5851		

Seq. No.	30503	Seq. ID	OJ990419_08.9923.C22
Gene No.	63082	Strand	-
Start	9232	End	10927
Name	OJ990419_08.9923.C22.o1.ts	Method	TBLASTX:Soybean
Start	5648	End	7935
GI	none	Score	147
Exons	5648..5920, 5674..5919, 6019..6135, 6020..6172, 6042..6161, 6089..6172, 6256..6399, 6256..6402, 6336..6398, 6506..6616, 6508..6615, 6728..6829, 6732..6830, 6735..6944, 6831..6941, 6836..6940, 7032..7088, 7034..7087, 7771..7935, 7783..7920		

Seq. No.	30503	Seq. ID	OJ990419_08.9923.C22
Gene No.	63082	Strand	-
Start	9232	End	10927
Name	OJ990419_08.9923.C22.o1.tm	Method	TBLASTX:Maize
Start	5851	End	8398
GI	none	Score	103
Exons	5851..5925, 5852..5917, 5853..5918, 5920..6135, 5921..6172, 5922..6173, 5947..6174, 6201..6398, 6252..6332, 6256..6399, 6256..6399, 6506..6616, 6508..6615, 6545..6670, 6568..6618, 6576..6617, 6728..6952, 6732..6944, 6735..6944, 6739..6960, 6759..6914, 6804..6941, 6894..6944, 7029..7142, 7029..7067, 7034..7141, 7038..7142, 7065..7142, 7065..7142, 7357..7458, 7358..7465, 7361..7459, 7391..7528, 7529..7564, 7765..7944, 7768..7935, 7770..7943, 7777..7923, 8111..8134, 8111..8140, 8112..8144, 8172..8231, 8187..8240, 8194..8235, 8231..8287, 8238..8285, 8353..8388, 8357..8395, 8357..8398		

Seq. No.	30503	Seq. ID	OJ990419_08.9923.C22
Gene No.	63082	Strand	-
Start	9232	End	10927
Name	OJ990419_08.9923.C22.o1.tc	Method	TBLASTX:Cress
Start	6255	End	7935
GI	none	Score	179
Exons	6255..6419, 6256..6399, 6256..6399, 6506..6616, 6508..6624, 6728..6937, 6732..6935, 6735..6944, 7053..7142, 7367..7528, 7367..7528, 7774..7935		

Seq. No.	30503	Seq. ID	OJ990419_08.9923.C22
Gene No.	63082	Strand	-
Start	9232	End	10927
Name	OJ990419_08.9923.C22.o2.ts	Method	TBLASTX:Soybean
Start	7358	End	7555
GI	none	Score	278
Exons	7358..7546, 7360..7548, 7361..7555		

Seq. No.	30503	Seq. ID	OJ990419_08.9923.C22
Gene No.	63082	Strand	-
Start	9232	End	10927
Name	OJ990419_08.9923.C22.o3.gs	Method	GENSCAN
Start	9232	End	10912
GI	none	Score	.66
Exons	9232..9386, 10861..10912		

Seq. No.	30503	Seq. ID	OJ990419_08.9923.C22
Gene No.	63082	Strand	-
Start	9232	End	10927
Name	OJ990419_08.9923.C22.o3.gp	Method	AAT/GAP
Start	10570	End	10927
GI	100223_1.R1084	Score	672
Exons	10570..10927		
GI Descrip.	'2586086/gb|U72724|OSU72724 8.0e-14 Oryza sativa receptor kinase-like protein gene, family member E, complete cds'		

Seq. No.	30504	Seq. ID	OJ990419_08.9923.C23
Gene No.	63083	Strand	-
Start	1	End	3798
Name	OJ990419_08.9923.C23.o1.gp	Method	AAT/GAP
Start	1	End	506
GI	100223_1.R1084	Score	439
Exons	1..85, 356..506		
GI Descrip.	'2586086/gb|U72724|OSU72724 8.0e-14 Oryza sativa receptor kinase-like protein gene, family member E, complete cds'		

Seq. No.	30504	Seq. ID	OJ990419_08.9923.C23
Gene No.	63083	Strand	-
Start	1	End	3798
Name	OJ990419_08.9923.C23.o1.np	Method	AAT/NAP
Start	1	End	3609
GI	6911847	Score	1622
Exons	1..85, 356..1087, 1185..1338, 1366..1604, 1858..1939, 2093..2376, 3478..3609		
GI Descrip.	(AL138649) putative protein [Arabidopsis thaliana]		

Seq. No.	30504	Seq. ID	OJ990419_08.9923.C23
Gene No.	63083	Strand	-
Start	1	End	3798
Name	OJ990419_08.9923.C23.o1.gs	Method	GENSCAN
Start	356	End	3798
GI	none	Score	.62
Exons	356..1087, 1185..1604, 1858..1939, 2093..2376, 3478..3642, 3724..3798		

Seq. No.	30504	Seq. ID	OJ990419_08.9923.C23
Gene No.	63083	Strand	-
Start	1	End	3798
Name	OJ990419_08.9923.C23.o2.gp	Method	AAT/GAP
Start	820	End	1319
GI	2428633	Score	720
Exons	820..1087, 1185..1319		

Seq. No.	30504	Seq. ID	OJ990419_08.9923.C23
Gene No.	63084	Strand	-

Start	4681	End	15676
Name	OJ990419_08.9923.C23.o1.tm	Method	TBLASTX:Maize
Start	2	End	1418
GI	none	Score	260
Exons	2..94, 353..541, 354..542, 370..543, 566..1087, 573..1088, 574..930, 621..1088, 979..1089, 1144..1407, 1179..1346, 1182..1418, 1187..1414		

Seq. No.	30504	Seq. ID	OJ990419_08.9923.C23
Gene No.	63084	Strand	-
Start	4681	End	15676
Name	OJ990419_08.9923.C23.o1.ts	Method	TBLASTX:Soybean
Start	2	End	896
GI	none	Score	126
Exons	2..82, 353..475, 354..476, 473..541, 474..542, 599..895, 617..892, 621..896		

Seq. No.	30504	Seq. ID	OJ990419_08.9923.C23
Gene No.	63084	Strand	-
Start	4681	End	15676
Name	OJ990419_08.9923.C23.o2.ts	Method	TBLASTX:Soybean
Start	1191	End	3591
GI	none	Score	88
Exons	1191..1316, 1191..1337, 1222..1317, 1398..1604, 1398..1604, 1417..1605, 1868..1942, 1879..1953, 2085..2228, 2092..2373, 2093..2236, 3475..3591, 3478..3576		

Seq. No.	30504	Seq. ID	OJ990419_08.9923.C23
Gene No.	63084	Strand	-
Start	4681	End	15676
Name	OJ990419_08.9923.C23.o4.tm	Method	TBLASTX:Maize
Start	1419	End	2376
GI	none	Score	221
Exons	1419..1613, 1473..1604, 1851..1943, 1857..1940, 1859..1942, 2092..2259, 2093..2344, 2287..2376, 2335..2376		

Seq. No.	30504	Seq. ID	OJ990419_08.9923.C23
Gene No.	63084	Strand	-
Start	4681	End	15676
Name	OJ990419_08.9923.C23.o2.tc	Method	TBLASTX:Cress
Start	1458	End	2157
GI	none	Score	66
Exons	1458..1556, 1471..1605, 1473..1604, 1868..1954, 1879..1953, 2092..2157, 2093..2155		

Seq. No.	30504	Seq. ID	OJ990419_08.9923.C23
Gene No.	63084	Strand	-
Start	4681	End	15676
Name	OJ990419_08.9923.C23.o2.gs	Method	GENSCAN
Start	4681	End	15676
GI	none	Score	.63
Exons	4681..4770, 4895..4948, 8324..8492, 8650..8706, 9154..9227, 9328..9402, 9669..9723, 9948..10021, 10820..10953, 10965..11120, 11212..11328, 12470..12565, 12701..12917, 13489..13540, 15393..15532, 15557..15676		

Seq. No.	30504	Seq. ID	OJ990419_08.9923.C23

Gene No.	63084	Strand	-
Start	4681	End	15676
Name	OJ990419_08.9923.C23.o3.gp	Method	AAT/GAP
Start	7647	End	7853
GI	5816519	Score	371
Exons	7647..7853		
GI Descrip.	2586086/gb|U72724|OSU72724 8.0e-14 Oryza sativa receptor kinase-like protein gene, family member E, complete cds		

Seq. No.	30504	Seq. ID	OJ990419_08.9923.C23
Gene No.	63084	Strand	-
Start	4681	End	15676
Name	OJ990419_08.9923.C23.o4.gp	Method	AAT/GAP
Start	8292	End	11140
GI	17290_1.R1084	Score	1671
Exons	8292..8492, 8588..8706, 8807..8891, 9011..9059, 9154..9227, 9328..9402, 9669..9723, 9948..10021, 10820..10953, 11034..11140		
GI Descrip.	'3402675 3.0e-16 (AC004697) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	30504	Seq. ID	OJ990419_08.9923.C23
Gene No.	63084	Strand	-
Start	4681	End	15676
Name	OJ990419_08.9923.C23.o2.np	Method	AAT/NAP
Start	8446	End	10963
GI	6513925	Score	307
Exons	8446..8489, 8650..8706, 8807..8891, 9011..9055, 9150..9227, 9328..9402, 9669..9723, 9948..10021, 10820..10963		
GI Descrip.	(AC011664) unknown protein [Arabidopsis thaliana]		

Seq. No.	30504	Seq. ID	OJ990419_08.9923.C23
Gene No.	63084	Strand	-
Start	4681	End	15676
Name	OJ990419_08.9923.C23.o2.tm	Method	TBLASTX:Maize
Start	8641	End	9713
GI	none	Score	61
Exons	8641..8697, 8654..8707, 8659..8700, 8803..8892, 8803..8880, 8808..8891, 8996..9064, 9015..9071, 9153..9233, 9319..9405, 9669..9713		

Seq. No.	30504	Seq. ID	OJ990419_08.9923.C23
Gene No.	63084	Strand	-
Start	4681	End	15676
Name	OJ990419_08.9923.C23.o3.ts	Method	TBLASTX:Soybean
Start	8654	End	9725
GI	none	Score	41
Exons	8654..8707, 8658..8708, 8803..8898, 8808..8891, 8996..9064, 9015..9071, 9153..9236, 9325..9405, 9338..9406, 9669..9725		

Seq. No.	30504	Seq. ID	OJ990419_08.9923.C23
Gene No.	63084	Strand	-
Start	4681	End	15676
Name	OJ990419_08.9923.C23.o1.tw	Method	TBLASTX:Wheat
Start	8660	End	9230
GI	none	Score	40
Exons	8660..8710, 8661..8711, 8824..8889, 8826..8894, 8990..9061, 8991..9071, 9153..9230		

Seq. No.	30504	Seq. ID	OJ990419_08.9923.C23
Gene No.	63084	Strand	-
Start	4681	End	15676
Name	OJ990419_08.9923.C23.o1.tc	Method	TBLASTX:Cress
Start	8820	End	9725
GI	none	Score	79
Exons	8820..8894, 8990..9055, 8991..9056, 9150..9236, 9316..9405, 9669..9725		

Seq. No.	30504	Seq. ID	OJ990419_08.9923.C23
Gene No.	63084	Strand	-
Start	4681	End	15676
Name	OJ990419_08.9923.C23.o3.tm	Method	TBLASTX:Maize
Start	9950	End	11366
GI	none	Score	89
Exons	9950..9994, 9986..10021, 10820..10942, 10820..10960, 11029..11118, 11031..11156, 11191..11364, 11218..11253, 11280..11366, 11282..11353		

Seq. No.	30504	Seq. ID	OJ990419_08.9923.C23
Gene No.	63084	Strand	-
Start	4681	End	15676
Name	OJ990419_08.9923.C23.o5.gp	Method	AAT/GAP
Start	11288	End	12996
GI	none	Score	1021
Exons	11288..11380, 12456..12541, 12626..12996		

Seq. No.	30504	Seq. ID	OJ990419_08.9923.C23
Gene No.	63084	Strand	-
Start	4681	End	15676
Name	OJ990419_08.9923.C23.o3.np	Method	AAT/NAP
Start	14068	End	14276
GI	82536	Score	264
Exons	14068..14276		
GI Descrip.	hypothetical 8.3K protein (trnI-trnC intergenic region) - rice chloroplast gi|11968|emb|CAA33983| (X15901) ORF70 [Oryza sativa] gi|226686|prf||1603356L ORF 70 [Oryza sativa]		

Seq. No.	30504	Seq. ID	OJ990419_08.9923.C23
Gene No.	63084	Strand	-
Start	4681	End	15676
Name	OJ990419_08.9923.C23.o5.tm	Method	TBLASTX:Maize
Start	14164	End	14373
GI	none	Score	271
Exons	14164..14373, 14166..14363		

Seq. No.	30505	Seq. ID	OJ990419_08.9923.C24
Gene No.	63085	Strand	-
Start	3644	End	6081
Name	OJ990419_08.9923.C24.o1.gs	Method	GENSCAN
Start	3644	End	6073
GI	none	Score	.92
Exons	3644..4165, 4815..4937, 5102..5362, 5627..6073		

Seq. No.	30505	Seq. ID	OJ990419_08.9923.C24
Gene No.	63085	Strand	-

Start	3644	End	6081
Name	OJ990419_08.9923.C24.o1.np	Method	AAT/NAP
Start	3647	End	6073
GI	6681335	Score	1199
Exons	3647..3755, 3787..4165, 4815..4937, 5102..5362, 5696..6073		
GI Descrip.	(AC015985) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	30505	Seq. ID	OJ990419_08.9923.C24
Gene No.	63085	Strand	-
Start	3644	End	6081
Name	OJ990419_08.9923.C24.o1.tw	Method	TBLASTX:Wheat
Start	3782	End	4169
GI	none	Score	111
Exons	3782..4165, 4014..4166, 4080..4169		

Seq. No.	30505	Seq. ID	OJ990419_08.9923.C24
Gene No.	63085	Strand	-
Start	3644	End	6081
Name	OJ990419_08.9923.C24.o1.tc	Method	TBLASTX:Cress
Start	3819	End	5186
GI	none	Score	289
Exons	3819..4166, 3819..4004, 3821..4174, 3878..4168, 4812..4940, 4813..4935, 4821..4949, 5073..5186, 5099..5179		

Seq. No.	30505	Seq. ID	OJ990419_08.9923.C24
Gene No.	63085	Strand	-
Start	3644	End	6081
Name	OJ990419_08.9923.C24.o2.tm	Method	TBLASTX:Maize
Start	3824	End	5182
GI	none	Score	180
Exons	3824..4174, 3840..4166, 4812..4937, 4813..4938, 5108..5182		

Seq. No.	30505	Seq. ID	OJ990419_08.9923.C24
Gene No.	63085	Strand	-
Start	3644	End	6081
Name	OJ990419_08.9923.C24.o1.ts	Method	TBLASTX:Soybean
Start	3900	End	5371
GI	none	Score	380
Exons	3900..4166, 3900..4004, 3902..4174, 4812..4940, 4813..4938, 5088..5366, 5099..5365, 5102..5371		

Seq. No.	30505	Seq. ID	OJ990419_08.9923.C24
Gene No.	63085	Strand	-
Start	3644	End	6081
Name	OJ990419_08.9923.C24.o1.gp	Method	AAT/GAP
Start	4840	End	5356
GI	LIB3433-025-P1-K1-F6	Score	663
Exons	4840..4937, 5102..5356		
GI Descrip.	'3928095 2.0e-48 (AC005770) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	30505	Seq. ID	OJ990419_08.9923.C24
Gene No.	63085	Strand	-
Start	3644	End	6081
Name	OJ990419_08.9923.C24.o2.tw	Method	TBLASTX:Wheat
Start	5114	End	5348
GI	none	Score	79

Exons	5114..5254, 5115..5246, 5264..5341, 5265..5348		
Seq. No.	30505	Seq. ID	OJ990419_08.9923.C24
Gene No.	63085	Strand	-
Start	3644	End	6081
Name	OJ990419_08.9923.C24.o1.tm	Method	TBLASTX:Maize
Start	5183	End	6081
GI	none	Score	270
Exons	5183..5383, 5184..5366, 5192..5380, 5680..5913, 5696..5989, 5697..5990, 5990..6076, 5991..6074, 6001..6081		
Seq. No.	30505	Seq. ID	OJ990419_08.9923.C24
Gene No.	63085	Strand	-
Start	3644	End	6081
Name	OJ990419_08.9923.C24.o2.tc	Method	TBLASTX:Cress
Start	5198	End	5962
GI	none	Score	168
Exons	5198..5365, 5199..5363, 5207..5365, 5696..5962, 5703..5876		
Seq. No.	30505	Seq. ID	OJ990419_08.9923.C24
Gene No.	63085	Strand	-
Start	3644	End	6081
Name	OJ990419_08.9923.C24.o2.ts	Method	TBLASTX:Soybean
Start	5699	End	5873
GI	none	Score	144
Exons	5699..5872, 5703..5873		
Seq. No.	30506	Seq. ID	OJ990419_08.9923.C25
Gene No.	63086	Strand	+
Start	1640	End	2909
Name	OJ990419_08.9923.C25.o1.gs	Method	GENSCAN
Start	1640	End	2909
GI	none	Score	.57
Exons	1640..1765, 2842..2909		
Seq. No.	30506	Seq. ID	OJ990419_08.9923.C25
Gene No.	63087	Strand	-
Start	4609	End	5995
Name	OJ990419_08.9923.C25.o2.gs	Method	GENSCAN
Start	4609	End	5678
GI	none	Score	.65
Exons	4609..4869, 4936..5093, 5393..5566, 5597..5678		
Seq. No.	30506	Seq. ID	OJ990419_08.9923.C25
Gene No.	63087	Strand	-
Start	4609	End	5995
Name	OJ990419_08.9923.C25.o1.np	Method	AAT/NAP
Start	4648	End	5995
GI	6042159	Score	141
Exons	4648..4895, 5932..5995		
GI Descrip.	(AF025460) No definition line found [Caenorhabditis elegans]		
Seq. No.	30506	Seq. ID	OJ990419_08.9923.C25
Gene No.	63088	Strand	-
Start	7519	End	7687
Name	OJ990419_08.9923.C25.o1.tc	Method	TBLASTX:Cress
Start	4642	End	4900

GI	none	Score	285
Exons	4642..4899, 4649..4900		

Seq. No.	30506	Seq. ID	OJ990419_08.9923.C25
Gene No.	63088	Strand	-
Start	7519	End	7687
Name	OJ990419_08.9923.C25.o1.ts	Method	TBLASTX:Soybean
Start	4648	End	4900
GI	none	Score	281
Exons	4648..4899, 4649..4900		

Seq. No.	30506	Seq. ID	OJ990419_08.9923.C25
Gene No.	63088	Strand	-
Start	7519	End	7687
Name	OJ990419_08.9923.C25.o3.gs	Method	GENSCAN
Start	7519	End	7687
GI	none	Score	.92
Exons	7519..7687		

Seq. No.	30507	Seq. ID	OJ990419_08.9923.C26
Gene No.	63089	Strand	+
Start	350	End	2294
Name	OJ990419_08.9923.C26.o1.gs	Method	GENSCAN
Start	350	End	2277
GI	none	Score	.71
Exons	350..478, 675..771, 1093..1181, 1938..2277		

Seq. No.	30507	Seq. ID	OJ990419_08.9923.C26
Gene No.	63089	Strand	+
Start	350	End	2294
Name	OJ990419_08.9923.C26.o1.gp	Method	AAT/GAP
Start	2006	End	2294
GI	none	Score	508
Exons	2006..2294		

Seq. No.	30508	Seq. ID	OJ990419_08.9923.C27
Gene No.	63090	Strand	-
Start	1544	End	3828
Name	OJ990419_08.9923.C27.o2.ts	Method	TBLASTX:Soybean
Start	1	End	219
GI	none	Score	187
Exons	1..219, 3..215		

Seq. No.	30508	Seq. ID	OJ990419_08.9923.C27
Gene No.	63090	Strand	-
Start	1544	End	3828
Name	OJ990419_08.9923.C27.o2.tc	Method	TBLASTX:Cress
Start	10	End	216
GI	none	Score	186
Exons	10..216, 12..215		

Seq. No.	30508	Seq. ID	OJ990419_08.9923.C27
Gene No.	63090	Strand	-
Start	1544	End	3828
Name	OJ990419_08.9923.C27.o1.gp	Method	AAT/GAP
Start	1544	End	3443
GI	16299_1.R1084	Score	1483

Exons	1544..1976, 2959..3153, 3242..3443		
GI Descrip.	'5053113/gb|AAD38856.1| 1.0e-46 (AF156101) phosphatase PP1 [Chlamydomonas reinhardtii]'		

Seq. No.	30508	Seq. ID	OJ990419_08.9923.C27
Gene No.	63090	Strand	-
Start	1544	End	3828
Name	OJ990419_08.9923.C27.o2.tw	Method	TBLASTX:Wheat
Start	1703	End	3320
GI	none	Score	57
Exons	1703..1741, 1725..1811, 1768..1812, 1768..1812, 1775..1813, 1775..1813, 1824..1859, 1840..1911, 1871..1912, 1882..1914, 1884..1913, 1954..1977, 1956..1976, 2959..3156, 2960..3154, 2985..3155, 3239..3316, 3240..3320, 3241..3318		

Seq. No.	30508	Seq. ID	OJ990419_08.9923.C27
Gene No.	63090	Strand	-
Start	1544	End	3828
Name	OJ990419_08.9923.C27.o2.gs	Method	GENSCAN
Start	2273	End	3736
GI	none	Score	.89
Exons	2273..2344, 2959..3153, 3242..3736		

Seq. No.	30508	Seq. ID	OJ990419_08.9923.C27
Gene No.	63090	Strand	-
Start	1544	End	3828
Name	OJ990419_08.9923.C27.o1.np	Method	AAT/NAP
Start	2959	End	3828
GI	130709	Score	1282
Exons	2959..3153, 3242..3828		
GI Descrip.	SERINE/THREONINE PROTEIN PHOSPHATASE PP1 gi|322875|pir||S29317 phosphoprotein phosphatase (EC 3.1.3.16) 1 - maize gi|168723 (M60215) protein phosphatase-1 [Zea mays] gi|445586|prf||1909338A protein phosphatase 1 [Zea mays]		

Seq. No.	30508	Seq. ID	OJ990419_08.9923.C27
Gene No.	63090	Strand	-
Start	1544	End	3828
Name	OJ990419_08.9923.C27.o1.tm	Method	TBLASTX:Maize
Start	2959	End	3813
GI	none	Score	294
Exons	2959..3156, 2960..3157, 2960..3157, 3239..3802, 3240..3803, 3241..3813		

Seq. No.	30508	Seq. ID	OJ990419_08.9923.C27
Gene No.	63090	Strand	-
Start	1544	End	3828
Name	OJ990419_08.9923.C27.o1.ts	Method	TBLASTX:Soybean
Start	2996	End	3803
GI	none	Score	202
Exons	2996..3157, 3007..3156, 3239..3802, 3240..3803		

Seq. No.	30508	Seq. ID	OJ990419_08.9923.C27
Gene No.	63090	Strand	-
Start	1544	End	3828
Name	OJ990419_08.9923.C27.o1.tc	Method	TBLASTX:Cress
Start	2998	End	3813

GI	none	Score	191
Exons	2998..3156, 2999..3157, 3019..3177, 3050..3157, 3218..3802, 3239..3802, 3240..3803, 3241..3813		

Seq. No.	30508	Seq. ID	OJ990419_08.9923.C27
Gene No.	63090	Strand	-
Start	1544	End	3828
Name	OJ990419_08.9923.C27.o1.tw	Method	TBLASTX:Wheat
Start	3369	End	3799
GI	none	Score	452
Exons	3369..3791, 3371..3799, 3371..3799		

Seq. No.	30508	Seq. ID	OJ990419_08.9923.C27
Gene No.	63090	Strand	-
Start	1544	End	3828
Name	OJ990419_08.9923.C27.o2.gp	Method	AAT/GAP
Start	3543	End	3828
GI	22399_1.R1084	Score	498
Exons	3543..3828		
GI Descrip.	'130709/sp|P22198|PP1_MAIZE 3.0e-64 SERINE/THREONINE PROTEIN PHOSPHATASE PP1 >gi_322875_pir__S29317 phosphoprotein phosphatase (EC 3.1.3.16) 1 - maize >gi_168723 (M60215) protein phosphatase-1 [Zea mays] >gi_445586_prf__1909338A protein phosphatase 1 [Zea mays]'		

Seq. No.	30509	Seq. ID	OJ990419_08.9923.C28
Gene No.	63091	Strand	+
Start	5016	End	5339
Name	OJ990419_08.9923.C28.o2.gs	Method	GENSCAN
Start	5016	End	5339
GI	none	Score	.87
Exons	5016..5082, 5134..5339		

Seq. No.	30509	Seq. ID	OJ990419_08.9923.C28
Gene No.	63092	Strand	+
Start	6405	End	8584
Name	OJ990419_08.9923.C28.o3.gs	Method	GENSCAN
Start	6405	End	7367
GI	none	Score	.98
Exons	6405..7367		

Seq. No.	30509	Seq. ID	OJ990419_08.9923.C28
Gene No.	63092	Strand	+
Start	6405	End	8584
Name	OJ990419_08.9923.C28.o2.np	Method	AAT/NAP
Start	6417	End	8584
GI	1903359	Score	346
Exons	6417..6970, 8550..8584		
GI Descrip.	(AC000104) F19P19.21 [Arabidopsis thaliana]		

Seq. No.	30509	Seq. ID	OJ990419_08.9923.C28
Gene No.	63093	Strand	-
Start	1	End	1163
Name	OJ990419_08.9923.C28.o1.np	Method	AAT/NAP
Start	1	End	736
GI	130709	Score	253
Exons	1..66, 551..736		

GI Descrip.	SERINE/THREONINE PROTEIN PHOSPHATASE PP1 gi|322875|pir||S29317 phosphoprotein phosphatase (EC 3.1.3.16) 1 - maize gi|168723 (M60215) protein phosphatase-1 [Zea mays] gi|445586|prf||1909338A protein phosphatase 1 [Zea mays]		
Seq. No.	30509	Seq. ID	OJ990419_08.9923.C28
Gene No.	63093	Strand	-
Start	1	End	1163
Name	OJ990419_08.9923.C28.o1.gp	Method	AAT/GAP
Start	247	End	1163
GI	22399_1.R1084	Score	1146
Exons	247..268, 552..1163		
GI Descrip.	'130709/sp|P22198|PP1_MAIZE 3.0e-64 SERINE/THREONINE PROTEIN PHOSPHATASE PP1 >gi_322875_pir__S29317 phosphoprotein phosphatase (EC 3.1.3.16) 1 - maize >gi_168723 (M60215) protein phosphatase-1 [Zea mays] >gi_445586_prf__1909338A protein phosphatase 1 [Zea mays]'		
Seq. No.	30509	Seq. ID	OJ990419_08.9923.C28
Gene No.	63093	Strand	-
Start	1	End	1163
Name	OJ990419_08.9923.C28.o1.gs	Method	GENSCAN
Start	559	End	736
GI	none	Score	.79
Exons	559..736		
Seq. No.	30509	Seq. ID	OJ990419_08.9923.C28
Gene No.	63094	Strand	-
Start	8296	End	12575
Name	OJ990419_08.9923.C28.o1.tw	Method	TBLASTX:Wheat
Start	549	End	740
GI	none	Score	87
Exons	549..737, 550..735, 554..739, 558..740		
Seq. No.	30509	Seq. ID	OJ990419_08.9923.C28
Gene No.	63094	Strand	-
Start	8296	End	12575
Name	OJ990419_08.9923.C28.o2.tm	Method	TBLASTX:Maize
Start	549	End	1294
GI	none	Score	152
Exons	549..650, 550..651, 554..736, 558..737, 680..748, 767..811, 776..862, 1016..1066, 1018..1143, 1019..1144, 1072..1158, 1095..1160, 1127..1183, 1181..1237, 1182..1220, 1265..1294, 1265..1294		
Seq. No.	30509	Seq. ID	OJ990419_08.9923.C28
Gene No.	63094	Strand	-
Start	8296	End	12575
Name	OJ990419_08.9923.C28.o1.tc	Method	TBLASTX:Cress
Start	554	End	745
GI	none	Score	156
Exons	554..745, 558..737		
Seq. No.	30509	Seq. ID	OJ990419_08.9923.C28
Gene No.	63094	Strand	-
Start	8296	End	12575
Name	OJ990419_08.9923.C28.o1.ts	Method	TBLASTX:Soybean

Start	554	End	737
GI	none	Score	76
Exons	554..634, 554..736, 556..651, 558..737		

Seq. No.	30509	Seq. ID	OJ990419_08.9923.C28
Gene No.	63094	Strand	-
Start	8296	End	12575
Name	OJ990419_08.9923.C28.o2.tc	Method	TBLASTX:Cress
Start	6801	End	6986
GI	none	Score	194
Exons	6801..6986		

Seq. No.	30509	Seq. ID	OJ990419_08.9923.C28
Gene No.	63094	Strand	-
Start	8296	End	12575
Name	OJ990419_08.9923.C28.o2.ts	Method	TBLASTX:Soybean
Start	6815	End	6989
GI	none	Score	214
Exons	6815..6970, 6816..6989		

Seq. No.	30509	Seq. ID	OJ990419_08.9923.C28
Gene No.	63094	Strand	-
Start	8296	End	12575
Name	OJ990419_08.9923.C28.o3.tm	Method	TBLASTX:Maize
Start	6822	End	6965
GI	none	Score	215
Exons	6822..6965, 6824..6952		

Seq. No.	30509	Seq. ID	OJ990419_08.9923.C28
Gene No.	63094	Strand	-
Start	8296	End	12575
Name	OJ990419_08.9923.C28.o4.gs	Method	GENSCAN
Start	8296	End	10751
GI	none	Score	.97
Exons	8296..8512, 9103..10751		

Seq. No.	30509	Seq. ID	OJ990419_08.9923.C28
Gene No.	63094	Strand	-
Start	8296	End	12575
Name	OJ990419_08.9923.C28.o3.np	Method	AAT/NAP
Start	8332	End	10505
GI	4432819	Score	1348
Exons	8332..8512, 9103..10184, 10215..10318, 10346..10505		
GI Descrip.	(AC006593) putative kinesin light chain [Arabidopsis thaliana]		

Seq. No.	30509	Seq. ID	OJ990419_08.9923.C28
Gene No.	63094	Strand	-
Start	8296	End	12575
Name	OJ990419_08.9923.C28.o3.ts	Method	TBLASTX:Soybean
Start	9102	End	10325
GI	none	Score	79
Exons	9102..9533, 9103..9402, 9295..9513, 9424..9543, 9795..10127, 10245..10325		

Seq. No.	30509	Seq. ID	OJ990419_08.9923.C28
Gene No.	63094	Strand	-
Start	8296	End	12575

Name	OJ990419_08.9923.C28.o1.tm	Method	TBLASTX:Maize
Start	9134	End	9572
GI	none	Score	156
Exons	9134..9289, 9135..9572, 9139..9570, 9338..9571		

Seq. No.	30509	Seq. ID	OJ990419_08.9923.C28
Gene No.	63094	Strand	-
Start	8296	End	12575
Name	OJ990419_08.9923.C28.o4.np	Method	AAT/NAP
Start	10169	End	12575
GI	100210	Score	208
Exons	10169..10951, 12482..12575		
GI Descrip.	extensin precursor (clone Tom L-4) - tomato gi|170444 (M76671) extensin (class II) [Lycopersicon esculentum]		

Seq. No.	30509	Seq. ID	OJ990419_08.9923.C28
Gene No.	63094	Strand	-
Start	8296	End	12575
Name	OJ990419_08.9923.C28.o5.gs	Method	GENSCAN
Start	11152	End	12506
GI	none	Score	.88
Exons	11152..11204, 11724..11788, 12097..12506		

Seq. No.	30509	Seq. ID	OJ990419_08.9923.C28
Gene No.	63094	Strand	-
Start	8296	End	12575
Name	OJ990419_08.9923.C28.o2.gp	Method	AAT/GAP
Start	11737	End	12512
GI	21479_1.R1084	Score	1488
Exons	11737..12512		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	30510	Seq. ID	OJ990419_08.9923.C29
Gene No.	63095	Strand	-
Start	1	End	3955
Name	OJ990419_08.9923.C29.o1.np	Method	AAT/NAP
Start	1	End	610
GI	4185599	Score	207
Exons	1..610		
GI Descrip.	(AB010708) Anthocyanin 5-aromatic acyltransferase [Gentiana triflora]		

Seq. No.	30510	Seq. ID	OJ990419_08.9923.C29
Gene No.	63095	Strand	-
Start	1	End	3955
Name	OJ990419_08.9923.C29.o1.gs	Method	GENSCAN
Start	34	End	3955
GI	none	Score	.56
Exons	34..625, 3854..3955		

Seq. No.	30510	Seq. ID	OJ990419_08.9923.C29
Gene No.	63095	Strand	-
Start	1	End	3955
Name	OJ990419_08.9923.C29.o1.gp	Method	AAT/GAP
Start	362	End	738
GI	58709_1.R1084	Score	745

Exons	362..738		
GI Descrip.	'4567314/gb|AAD23725.1|AC005956_14 2.0e-21 (AC005956) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	30510	Seq. ID	OJ990419_08.9923.C29
Gene No.	63096	Strand	-
Start	4652	End	5456
Name	OJ990419_08.9923.C29.o2.tm	Method	TBLASTX:Maize
Start	50	End	391
GI	none	Score	158
Exons	50..196, 54..197, 182..313, 359..391		
Seq. No.	30510	Seq. ID	OJ990419_08.9923.C29
Gene No.	63096	Strand	-
Start	4652	End	5456
Name	OJ990419_08.9923.C29.o2.gs	Method	GENSCAN
Start	4652	End	5408
GI	none	Score	.89
Exons	4652..4981, 5088..5408		
Seq. No.	30510	Seq. ID	OJ990419_08.9923.C29
Gene No.	63096	Strand	-
Start	4652	End	5456
Name	OJ990419_08.9923.C29.o2.np	Method	AAT/NAP
Start	4904	End	5390
GI	4567314	Score	394
Exons	4904..4981, 5088..5390		
GI Descrip.	(AC005956) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	30510	Seq. ID	OJ990419_08.9923.C29
Gene No.	63096	Strand	-
Start	4652	End	5456
Name	OJ990419_08.9923.C29.o1.tc	Method	TBLASTX:Cress
Start	5085	End	5351
GI	none	Score	121
Exons	5085..5261, 5086..5280, 5271..5351		
Seq. No.	30510	Seq. ID	OJ990419_08.9923.C29
Gene No.	63096	Strand	-
Start	4652	End	5456
Name	OJ990419_08.9923.C29.o1.tm	Method	TBLASTX:Maize
Start	5127	End	5352
GI	none	Score	225
Exons	5127..5351, 5131..5352		
Seq. No.	30510	Seq. ID	OJ990419_08.9923.C29
Gene No.	63096	Strand	-
Start	4652	End	5456
Name	OJ990419_08.9923.C29.o2.gp	Method	AAT/GAP
Start	5147	End	5456
GI	2310716	Score	573
Exons	5147..5456		
GI Descrip.	4567314/gb|AAD23725.1|AC005956_14 2.0e-21 (AC005956) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	30510	Seq. ID	OJ990419_08.9923.C29
Gene No.	63096	Strand	-

Start	4652	End	5456
Name	OJ990419_08.9923.C29.o1.ts	Method	TBLASTX:Soybean
Start	5170	End	5352
GI	none	Score	159
Exons	5170..5352, 5175..5351		

Seq. No.	30511	Seq. ID	OJ990419_08.9923.C30
Gene No.	63097	Strand	-
Start	1	End	324
Name	OJ990419_08.9923.C30.o1.np	Method	AAT/NAP
Start	1	End	324
GI	6006865	Score	73
Exons	1..103, 228..324		
GI Descrip.	(AC009540) unknown protein [Arabidopsis thaliana]		

Seq. No.	30511	Seq. ID	OJ990419_08.9923.C30
Gene No.	63097	Strand	-
Start	1	End	324
Name	OJ990419_08.9923.C30.o1.gs	Method	GENSCAN
Start	19	End	110
GI	none	Score	.71
Exons	19..110		

Seq. No.	30512	Seq. ID	OJ990419_08.9923.C32
Gene No.	63098	Strand	+
Start	1	End	726
Name	OJ990419_08.9923.C32.o1.np	Method	AAT/NAP
Start	1	End	726
GI	4432819	Score	718
Exons	1..726		
GI Descrip.	(AC006593) putative kinesin light chain [Arabidopsis thaliana]		

Seq. No.	30512	Seq. ID	OJ990419_08.9923.C32
Gene No.	63098	Strand	+
Start	1	End	726
Name	OJ990419_08.9923.C32.o1.gs	Method	GENSCAN
Start	111	End	639
GI	none	Score	.74
Exons	111..639		

Seq. No.	30512	Seq. ID	OJ990419_08.9923.C32
Gene No.	63098	Strand	+
Start	1	End	726
Name	OJ990419_08.9923.C32.o1.tm	Method	TBLASTX:Maize
Start	171	End	609
GI	none	Score	689
Exons	171..608, 172..609, 172..405, 173..604, 454..609		

Seq. No.	30512	Seq. ID	OJ990419_08.9923.C32
Gene No.	63098	Strand	+
Start	1	End	726
Name	OJ990419_08.9923.C32.o1.ts	Method	TBLASTX:Soybean
Start	200	End	638
GI	none	Score	200
Exons	200..319, 210..638, 230..448, 341..637, 486..587		

Seq. No.	30513	Seq. ID	OJ990419_08.9923.C33

Gene No.	63099	Strand	+
Start	100	End	236
Name	OJ990419_08.9923.C33.o1.gs	Method	GENSCAN
Start	100	End	236
GI	none	Score	.93
Exons	100..236		

Seq. No.	30513	Seq. ID	OJ990419_08.9923.C33
Gene No.	63100	Strand	-
Start	194	End	400
Name	OJ990419_08.9923.C33.o1.gp	Method	AAT/GAP
Start	194	End	400
GI	5816519	Score	371
Exons	194..400		
GI Descrip.	2586086/gb|U72724|OSU72724 8.0e-14 Oryza sativa receptor kinase-like protein gene, family member E, complete cds		

Seq. No.	30514	Seq. ID	OJ990419_08.9923.C34
Gene No.	63101	Strand	+
Start	280	End	395
Name	OJ990419_08.9923.C34.o1.gp	Method	AAT/GAP
Start	280	End	395
GI	none	Score	194
Exons	280..395		

Seq. No.	30515	Seq. ID	OJ990419_08.9923.C36
Gene No.	63102	Strand	+
Start	923	End	1232
Name	OJ990419_08.9923.C36.o1.gp	Method	AAT/GAP
Start	923	End	1232
GI	4725_1.R1084	Score	569
Exons	923..1232		
GI Descrip.	'2586086/gb|U72724|OSU72724 8.0e-14 Oryza sativa receptor kinase-like protein gene, family member E, complete cds'		

Seq. No.	30516	Seq. ID	OJ990429_05.9924.C2
Gene No.	63103	Strand	+
Start	78	End	631
Name	OJ990429_05.9924.C2.o1.gs	Method	GENSCAN
Start	78	End	631
GI	none	Score	.45
Exons	78..123, 375..631		

Seq. No.	30517	Seq. ID	OJ990429_05.9924.C3
Gene No.	63104	Strand	+
Start	230	End	529
Name	OJ990429_05.9924.C3.o1.gs	Method	GENSCAN
Start	230	End	529
GI	none	Score	.79
Exons	230..353, 448..529		

Seq. No.	30518	Seq. ID	OJ990429_05.9924.C4
Gene No.	63105	Strand	+
Start	475	End	536
Name	OJ990429_05.9924.C4.o1.gs	Method	GENSCAN
Start	475	End	536
GI	none	Score	.93

Exons	475..536		
Seq. No.	30519	Seq. ID	OJ990429_05.9924.C5
Gene No.	63106	Strand	-
Start	212	End	433
Name	OJ990429_05.9924.C5.o1.gs	Method	GENSCAN
Start	212	End	433
GI	none	Score	...71
Exons	212..433		
Seq. No.	30520	Seq. ID	OJ990429_05.9924.C7
Gene No.	63107	Strand	+
Start	5648	End	8139
Name	OJ990429_05.9924.C7.o1.gs	Method	GENSCAN
Start	5648	End	8139
GI	none	Score	.72
Exons	5648..5706, 5712..5875, 6309..6499, 8026..8139		
Seq. No.	30520	Seq. ID	OJ990429_05.9924.C7
Gene No.	63108	Strand	-
Start	8702	End	8809
Name	OJ990429_05.9924.C7.o2.gs	Method	GENSCAN
Start	8702	End	8809
GI	none	Score	.95
Exons	8702..8809		
Seq. No.	30521	Seq. ID	OJ990429_05.9924.C8
Gene No.	63109	Strand	+
Start	19	End	3825
Name	OJ990429_05.9924.C8.o1.gs	Method	GENSCAN
Start	19	End	3179
GI	none	Score	.83
Exons	19..76, 1025..1191, 1862..2092, 2676..2841, 2948..3179		
Seq. No.	30521	Seq. ID	OJ990429_05.9924.C8
Gene No.	63109	Strand	+
Start	19	End	3825
Name	OJ990429_05.9924.C8.o1.np	Method	AAT/NAP
Start	884	End	3825
GI	6689826	Score	285
Exons	884..1191, 1862..2092, 2682..2887, 2997..3222, 3712..3825		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		
Seq. No.	30522	Seq. ID	OJ990429_05.9924.C9
Gene No.	63110	Strand	-
Start	341	End	821
Name	OJ990429_05.9924.C9.o1.gp	Method	AAT/GAP
Start	341	End	821
GI	none	Score	865
Exons	341..821		
Seq. No.	30522	Seq. ID	OJ990429_05.9924.C9
Gene No.	63111	Strand	-
Start	1902	End	14449
Name	OJ990429_05.9924.C9.o1.tm	Method	TBLASTX:Maize
Start	517	End	3863
GI	none	Score	286

Exons	517..819, 518..817, 553..819, 2345..2557, 2361..2543, 2664..2825, 2665..2826, 2677..2829, 2925..3023, 2930..3025, 2930..3022, 2931..3023, 3004..3216, 3058..3213, 3098..3217, 3798..3833, 3834..3863		

Seq. No.	30522	Seq. ID	OJ990429_05.9924.C9
Gene No.	63111	Strand	-
Start	1902	End	14449
Name	OJ990429_05.9924.C9.o2.ts	Method	TBLASTX:Soybean
Start	556	End	2784
GI	none	Score	104
Exons	556..816, 563..739, 2360..2545, 2361..2543, 2677..2784, 2678..2782		

Seq. No.	30522	Seq. ID	OJ990429_05.9924.C9
Gene No.	63111	Strand	-
Start	1902	End	14449
Name	OJ990429_05.9924.C9.o1.tc	Method	TBLASTX:Cress
Start	680	End	3217
GI	none	Score	68
Exons	680..817, 694..816, 2360..2545, 2361..2543, 2677..2829, 2678..2824, 2678..2866, 2680..2832, 2930..3022, 2954..3025, 3094..3183, 3094..3216, 3101..3217		

Seq. No.	30522	Seq. ID	OJ990429_05.9924.C9
Gene No.	63111	Strand	-
Start	1902	End	14449
Name	OJ990429_05.9924.C9.o2.gs	Method	GENSCAN
Start	1902	End	14449
GI	none	Score	.87
Exons	1902..1922, 2363..2540, 2678..2823, 3801..3855, 3951..4066, 4266..4347, 4442..4565, 4833..5041, 5382..5413, 5605..5715, 6947..7029, 7121..7202, 7294..7393, 7462..7582, 7699..7774, 8597..8724, 9127..9264, 10503..10594, 10748..10788, 11298..11429, 12344..12490, 12810..12857, 13135..13197, 13300..13377, 14321..14449		

Seq. No.	30522	Seq. ID	OJ990429_05.9924.C9
Gene No.	63111	Strand	-
Start	1902	End	14449
Name	OJ990429_05.9924.C9.o1.tw	Method	TBLASTX:Wheat
Start	2677	End	3144
GI	none	Score	209
Exons	2677..2829, 2678..2824, 2684..2830, 2925..3023, 2930..3025, 2930..3022, 2950..3027, 3004..3144, 3098..3142		

Seq. No.	30522	Seq. ID	OJ990429_05.9924.C9
Gene No.	63111	Strand	-
Start	1902	End	14449
Name	OJ990429_05.9924.C9.o1.ts	Method	TBLASTX:Soybean
Start	2785	End	5002
GI	none	Score	46
Exons	2785..2829, 2786..2824, 2930..3025, 2930..3022, 3072..3200, 3094..3216, 3097..3201, 3101..3235, 3798..3854, 3953..4012, 3954..4031, 4096..4188, 4097..4150, 4254..4373, 4258..4371, 4435..4566, 4436..4567, 4834..4989, 4835..5002		

Seq. No.	30522	Seq. ID	OJ990429_05.9924.C9
Gene No.	63111	Strand	-
Start	1902	End	14449
Name	OJ990429_05.9924.C9.o2.tm	Method	TBLASTX:Maize
Start	3974	End	4475
GI	none	Score	73
Exons	3974..4027, 3975..4037, 4100..4180, 4102..4191, 4102..4188, 4258..4368, 4258..4350, 4265..4387, 4266..4388, 4443..4475, 4443..4475		

Seq. No.	30523	Seq. ID	OJ990429_05.9924.C10
Gene No.	63112	Strand	+
Start	1653	End	2009
Name	OJ990429_05.9924.C10.o1.gs	Method	GENSCAN
Start	1653	End	2009
GI	none	Score	.74
Exons	1653..1726, 1910..2009		

Seq. No.	30523	Seq. ID	OJ990429_05.9924.C10
Gene No.	63113	Strand	+
Start	4550	End	4777
Name	OJ990429_05.9924.C10.o2.gs	Method	GENSCAN
Start	4550	End	4777
GI	none	Score	.42
Exons	4550..4670, 4707..4777		

Seq. No.	30523	Seq. ID	OJ990429_05.9924.C10
Gene No.	63114	Strand	-
Start	5339	End	8696
Name	OJ990429_05.9924.C10.o1.np	Method	AAT/NAP
Start	5339	End	8696
GI	4337200	Score	427
Exons	5339..5368, 7399..7453, 7577..7842, 8510..8696		
GI Descrip.	(AC006403) NAM (no apical meristem)-like protein [Arabidopsis thaliana]		

Seq. No.	30523	Seq. ID	OJ990429_05.9924.C10
Gene No.	63114	Strand	-
Start	5339	End	8696
Name	OJ990429_05.9924.C10.o3.gs	Method	GENSCAN
Start	6908	End	8663
GI	none	Score	.71
Exons	6908..7447, 7577..7842, 8510..8663		

Seq. No.	30523	Seq. ID	OJ990429_05.9924.C10
Gene No.	63114	Strand	-
Start	5339	End	8696
Name	OJ990429_05.9924.C10.o1.tm	Method	TBLASTX:Maize
Start	7412	End	8655
GI	none	Score	88
Exons	7412..7450, 7562..7690, 7611..7691, 7685..7837, 7713..7820, 8506..8655, 8511..8651		

Seq. No.	30523	Seq. ID	OJ990429_05.9924.C10
Gene No.	63114	Strand	-
Start	5339	End	8696
Name	OJ990429_05.9924.C10.o1.ts	Method	TBLASTX:Soybean

Start	7575	End	7852
GI	none	Score	272
Exons	7575..7844, 7577..7852		

Seq. No.	30523	Seq. ID	OJ990429_05.9924.C10
Gene No.	63114	Strand	-
Start	5339	End	8696
Name	OJ990429_05.9924.C10.o1.tw	Method	TBLASTX:Wheat
Start	7580	End	7825
GI	none	Score	85
Exons	7580..7717, 7605..7688, 7712..7825, 7722..7820		

Seq. No.	30523	Seq. ID	OJ990429_05.9924.C10
Gene No.	63114	Strand	-
Start	5339	End	8696
Name	OJ990429_05.9924.C10.o1.tc	Method	TBLASTX:Cress
Start	7598	End	8651
GI	none	Score	211
Exons	7598..7837, 7599..7838, 8506..8649, 8508..8651		

Seq. No.	30523	Seq. ID	OJ990429_05.9924.C10
Gene No.	63114	Strand	-
Start	5339	End	8696
Name	OJ990429_05.9924.C10.o2.ts	Method	TBLASTX:Soybean
Start	8511	End	8676
GI	none	Score	108
Exons	8511..8675, 8512..8676		

Seq. No.	30524	Seq. ID	OJ990429_05.9924.C11
Gene No.	63115	Strand	-
Start	987	End	1068
Name	OJ990429_05.9924.C11.o1.gp	Method	AAT/GAP
Start	987	End	1068
GI	LIB3477-003-P1-K1-E9	Score	108
Exons	987..1068		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	30525	Seq. ID	OJ990429_05.9924.C12
Gene No.	63116	Strand	-
Start	899	End	1005
Name	OJ990429_05.9924.C12.o1.gs	Method	GENSCAN
Start	899	End	1005
GI	none	Score	.83
Exons	899..1005		

Seq. No.	30526	Seq. ID	OJ990429_05.9924.C13
Gene No.	63117	Strand	-
Start	1	End	257
Name	OJ990429_05.9924.C13.o1.gp	Method	AAT/GAP
Start	1	End	257
GI	55196_1.R1084	Score	503
Exons	1..257		
GI Descrip.	'3746060 4.0e-10 (AC005311) unknown protein [Arabidopsis thaliana]'		

Seq. No.	30527	Seq. ID	OJ990429_05.9924.C14
Gene No.	63118	Strand	+
Start	119	End	15061
Name	OJ990429_05.9924.C14.o1.gs	Method	GENSCAN
Start	119	End	15061
GI	none	Score	.42
Exons	119..222, 3467..3564, 9716..9802, 11438..11626, 12444..12587, 14674..14843, 14981..15061		

Seq. No.	30527	Seq. ID	OJ990429_05.9924.C14
Gene No.	63119	Strand	-
Start	16628	End	20880
Name	OJ990429_05.9924.C14.o1.np	Method	AAT/NAP
Start	16185	End	20880
GI	3063450	Score	322
Exons	16185..16304, 17227..17298, 17416..17511, 18556..18681, 18984..19041, 19435..19490, 20090..20183, 20233..20358, 20823..20880		
GI Descrip.	(AC003981) F22O13.12 [Arabidopsis thaliana]		

Seq. No.	30527	Seq. ID	OJ990429_05.9924.C14
Gene No.	63119	Strand	-
Start	16628	End	20880
Name	OJ990429_05.9924.C14.o2.gs	Method	GENSCAN
Start	16628	End	20772
GI	none	Score	.82
Exons	16628..16636, 17227..17298, 18556..18681, 18984..19041, 20001..20167, 20254..20358, 20486..20594, 20708..20772		

Seq. No.	30528	Seq. ID	OJ990429_05.9924.C16
Gene No.	63120	Strand	+
Start	1	End	2313
Name	OJ990429_05.9924.C16.o1.gp	Method	AAT/GAP
Start	1	End	2257
GI	490_1.R1084	Score	664
Exons	1..72, 1881..2039, 2124..2257		
GI Descrip.	'2286153 1.0e-176 (AF007581) cytoplasmic malate dehydrogenase [Zea mays]'		

Seq. No.	30528	Seq. ID	OJ990429_05.9924.C16
Gene No.	63120	Strand	+
Start	1	End	2313
Name	OJ990429_05.9924.C16.o1.tm	Method	TBLASTX:Maize
Start	2	End	2257
GI	none	Score	117
Exons	2..49, 3..122, 30..74, 1866..2039, 1869..2039, 1874..2041, 1876..2040, 2122..2256, 2123..2257, 2123..2257		

Seq. No.	30528	Seq. ID	OJ990429_05.9924.C16
Gene No.	63120	Strand	+
Start	1	End	2313
Name	OJ990429_05.9924.C16.o1.tw	Method	TBLASTX:Wheat
Start	3	End	2257
GI	none	Score	102
Exons	3..122, 3..74, 1874..2041, 1876..2040, 2122..2253, 2123..2257, 2123..2254, 2157..2255		

Seq. No.	30528	Seq. ID	OJ990429_05.9924.C16
Gene No.	63120	Strand	+
Start	1	End	2313
Name	OJ990429_05.9924.C16.o1.ts	Method	TBLASTX:Soybean
Start	21	End	2257
GI	none	Score	83
Exons	21..122, 1874..2041, 1876..2040, 2111..2194, 2122..2202, 2123..2203, 2197..2256, 2198..2257, 2207..2257		

Seq. No.	30528	Seq. ID	OJ990429_05.9924.C16
Gene No.	63120	Strand	+
Start	1	End	2313
Name	OJ990429_05.9924.C16.o1.tc	Method	TBLASTX:Cress
Start	27	End	2257
GI	none	Score	90
Exons	27..122, 1874..2041, 1876..2040, 1877..2056, 2111..2251, 2122..2256, 2123..2257		

Seq. No.	30528	Seq. ID	OJ990429_05.9924.C16
Gene No.	63120	Strand	+
Start	1	End	2313
Name	OJ990429_05.9924.C16.o1.gs	Method	GENSCAN
Start	30	End	2186
GI	none	Score	.95
Exons	30..72, 1881..2039, 2124..2186		

Seq. No.	30528	Seq. ID	OJ990429_05.9924.C16
Gene No.	63120	Strand	+
Start	1	End	2313
Name	OJ990429_05.9924.C16.o1.np	Method	AAT/NAP
Start	1843	End	2313
GI	2286153	Score	417
Exons	1843..2039, 2124..2313		
GI Descrip.	(AF007581) cytoplasmic malate dehydrogenase [Zea mays]		

Seq. No.	30529	Seq. ID	OJ990429_05.9924.C17
Gene No.	63121	Strand	+
Start	58	End	1798
Name	OJ990429_05.9924.C17.o1.gs	Method	GENSCAN
Start	58	End	1798
GI	none	Score	.73
Exons	58..140, 604..790, 1147..1257, 1331..1511, 1536..1798		

Seq. No.	30530	Seq. ID	OJ990429_05.9924.C18
Gene No.	63122	Strand	-
Start	1	End	352
Name	OJ990429_05.9924.C18.o1.np	Method	AAT/NAP
Start	1	End	352
GI	806299	Score	286
Exons	1..352		
GI Descrip.	(M25427) unknown protein [Zea mays]		

Seq. No.	30530	Seq. ID	OJ990429_05.9924.C18
Gene No.	63122	Strand	-
Start	1	End	352
Name	OJ990429_05.9924.C18.o1.tm	Method	TBLASTX:Maize
Start	3	End	296

GI	none	Score	224
Exons	3..296		
Seq. No.	30530	Seq. ID	OJ990429_05.9924.C18
Gene No.	63122	Strand	-
Start	1	End	352
Name	OJ990429_05.9924.C18.o1.tw	Method	TBLASTX:Wheat
Start	15	End	296
GI	none	Score	166
Exons	15..296		
Seq. No.	30530	Seq. ID	OJ990429_05.9924.C18
Gene No.	63122	Strand	-
Start	1	End	352
Name	OJ990429_05.9924.C18.o1.gs	Method	GENSCAN
Start	147	End	257
GI	none	Score	.74
Exons	147..257		
Seq. No.	30531	Seq. ID	OJ990429_05.9924.C19
Gene No.	63123	Strand	+
Start	76	End	519
Name	OJ990429_05.9924.C19.o1.gs	Method	GENSCAN
Start	76	End	473
GI	none	Score	.76
Exons	76..473		
Seq. No.	30531	Seq. ID	OJ990429_05.9924.C19
Gene No.	63123	Strand	+
Start	76	End	519
Name	OJ990429_05.9924.C19.o1.tw	Method	TBLASTX:Wheat
Start	256	End	519
GI	none	Score	180
Exons	256..519, 276..503		
Seq. No.	30532	Seq. ID	OJ990429_05.9924.C20
Gene No.	63124	Strand	-
Start	500	End	646
Name	OJ990429_05.9924.C20.o1.gs	Method	GENSCAN
Start	500	End	646
GI	none	Score	.69
Exons	500..646		
Seq. No.	30533	Seq. ID	OJ990429_05.9924.C26
Gene No.	63125	Strand	-
Start	1	End	802
Name	OJ990429_05.9924.C26.o1.np	Method	AAT/NAP
Start	1	End	802
GI	322873	Score	285
Exons	1..211, 295..802		
GI Descrip.	hypothetical protein 2 - maize transposon En-1 gi|225006|prf||1206239B ORF 2 [Zea mays]		
Seq. No.	30534	Seq. ID	OJ990429_05.9924.C27
Gene No.	63126	Strand	-
Start	1	End	2100
Name	OJ990429_05.9924.C27.o1.np	Method	AAT/NAP

Start	1	End	2098
GI	806299	Score	1496
Exons	1..1786, 1814..2098		
GI Descrip.	(M25427) unknown protein [Zea mays]		

Seq. No.	30534	Seq. ID	OJ990429_05.9924.C27
Gene No.	63126	Strand	-
Start	1	End	2100
Name	OJ990429_05.9924.C27.o1.gs	Method	GENSCAN
Start	153	End	2100
GI	none	Score	.43
Exons	153..610, 1195..1829, 1855..1883, 1972..2100		

Seq. No.	30534	Seq. ID	OJ990429_05.9924.C27
Gene No.	63126	Strand	-
Start	1	End	2100
Name	OJ990429_05.9924.C27.o1.tm	Method	TBLASTX:Maize
Start	795	End	1089
GI	none	Score	152
Exons	795..983, 799..975, 987..1088, 988..1089		

Seq. No.	30534	Seq. ID	OJ990429_05.9924.C27
Gene No.	63126	Strand	-
Start	1	End	2100
Name	OJ990429_05.9924.C27.o2.tw	Method	TBLASTX:Wheat
Start	874	End	1216
GI	none	Score	49
Exons	874..984, 894..1169, 1024..1179, 1154..1216		

Seq. No.	30534	Seq. ID	OJ990429_05.9924.C27
Gene No.	63126	Strand	-
Start	1	End	2100
Name	OJ990429_05.9924.C27.o1.ts	Method	TBLASTX:Soybean
Start	1379	End	1654
GI	none	Score	187
Exons	1379..1654		

Seq. No.	30534	Seq. ID	OJ990429_05.9924.C27
Gene No.	63126	Strand	-
Start	1	End	2100
Name	OJ990429_05.9924.C27.o1.tw	Method	TBLASTX:Wheat
Start	1403	End	1732
GI	none	Score	113
Exons	1403..1705, 1403..1732, 1422..1712		

Seq. No.	30534	Seq. ID	OJ990429_05.9924.C27
Gene No.	63126	Strand	-
Start	1	End	2100
Name	OJ990429_05.9924.C27.o2.tm	Method	TBLASTX:Maize
Start	1832	End	2087
GI	none	Score	65
Exons	1832..1981, 1964..2086, 1998..2087		

Seq. No.	30535	Seq. ID	OJ990429_05.9924.C28
Gene No.	63127	Strand	+
Start	303	End	528
Name	OJ990429_05.9924.C28.o1.gs	Method	GENSCAN

Start	303	End	528
GI	none	Score	.93
Exons	303..528		

Seq. No.	30536	Seq. ID	OJ990429_05.9924.C29
Gene No.	63128	Strand	-
Start	163	End	1637
Name	OJ990429_05.9924.C29.o1.gs	Method	GENSCAN
Start	163	End	1637
GI	none	Score	.72
Exons	163..380, 457..569, 1244..1396, 1401..1637		

Seq. No.	30536	Seq. ID	OJ990429_05.9924.C29
Gene No.	63129	Strand	-
Start	1967	End	2033
Name	OJ990429_05.9924.C29.o1.gp	Method	AAT/GAP
Start	1967	End	2033
GI	LIB3477-003-P1-K1-E9	Score	86
Exons	1967..2033		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	30537	Seq. ID	OJ990429_05.9924.C30
Gene No.	63130	Strand	+
Start	1157	End	3057
Name	OJ990429_05.9924.C30.o1.np	Method	AAT/NAP
Start	1157	End	3057
GI	6721512	Score	220
Exons	1157..1286, 1314..1447, 1490..1526, 1639..1678, 3020..3057		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	30537	Seq. ID	OJ990429_05.9924.C30
Gene No.	63131	Strand	-
Start	1005	End	2333
Name	OJ990429_05.9924.C30.o1.gs	Method	GENSCAN
Start	1005	End	2333
GI	none	Score	.61
Exons	1005..1029, 1129..1223, 1480..1664, 1673..1873, 1928..1992, 2174..2333		

Seq. No.	30538	Seq. ID	OJ990429_05.9924.C31
Gene No.	63132	Strand	+
Start	310	End	739
Name	OJ990429_05.9924.C31.o1.gs	Method	GENSCAN
Start	310	End	739
GI	none	Score	.82
Exons	310..459, 681..739		

Seq. No.	30539	Seq. ID	OJ990429_05.9924.C32
Gene No.	63133	Strand	-
Start	1	End	946
Name	OJ990429_05.9924.C32.o1.np	Method	AAT/NAP
Start	1	End	819
GI	6539570	Score	160
Exons	1..60, 366..439, 624..819		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	30539	Seq. ID	OJ990429_05.9924.C32
Gene No.	63133	Strand	-
Start	1	End	946
Name	OJ990429_05.9924.C32.o1.gs	Method	GENSCAN
Start	373	End	946
GI	none	Score	.4
Exons	373..393, 573..773, 901..946		

Seq. No.	30539	Seq. ID	OJ990429_05.9924.C32
Gene No.	63134	Strand	-
Start	955	End	1168
Name	OJ990429_05.9924.C32.o2.np	Method	AAT/NAP
Start	955	End	1168
GI	6630699	Score	82
Exons	955..1168		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	30540	Seq. ID	OJ990429_04.9924.C1
Gene No.	63135	Strand	-
Start	1	End	570
Name	OJ990429_04.9924.C1.o1.gp	Method	AAT/GAP
Start	1	End	350
GI	none	Score	380
Exons	1..66, 215..350		

Seq. No.	30540	Seq. ID	OJ990429_04.9924.C1
Gene No.	63135	Strand	-
Start	1	End	570
Name	OJ990429_04.9924.C1.o1.tm	Method	TBLASTX:Maize
Start	2	End	568
GI	none	Score	86
Exons	2..67, 3..68, 215..292, 216..527, 217..525, 267..527, 368..568		

Seq. No.	30540	Seq. ID	OJ990429_04.9924.C1
Gene No.	63135	Strand	-
Start	1	End	570
Name	OJ990429_04.9924.C1.o1.gs	Method	GENSCAN
Start	215	End	524
GI	none	Score	.96
Exons	215..524		

Seq. No.	30540	Seq. ID	OJ990429_04.9924.C1
Gene No.	63135	Strand	-
Start	1	End	570
Name	OJ990429_04.9924.C1.o1.ts	Method	TBLASTX:Soybean
Start	246	End	570
GI	none	Score	192
Exons	246..527, 247..570, 368..547		

Seq. No.	30540	Seq. ID	OJ990429_04.9924.C1
Gene No.	63135	Strand	-
Start	1	End	570
Name	OJ990429_04.9924.C1.o1.tc	Method	TBLASTX:Cress
Start	312	End	552

GI	none	Score	203
Exons	312..527, 313..552		

Seq. No.	30541	Seq. ID	OJ990429_04.9924.C7
Gene No.	63136	Strand	-
Start	1	End	1080
Name	OJ990429_04.9924.C7.o1.np	Method	AAT/NAP
Start	1	End	1080
GI	5091513	Score	1266
Exons	1..1080		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	30541	Seq. ID	OJ990429_04.9924.C7
Gene No.	63136	Strand	-
Start	1	End	1080
Name	OJ990429_04.9924.C7.o1.gs	Method	GENSCAN
Start	97	End	1046
GI	none	Score	.65
Exons	97..1046		

Seq. No.	30542	Seq. ID	OJ990429_04.9924.C8
Gene No.	63137	Strand	-
Start	59	End	1320
Name	OJ990429_04.9924.C8.o1.gs	Method	GENSCAN
Start	59	End	1288
GI	none	Score	.99
Exons	59..1288		

Seq. No.	30542	Seq. ID	OJ990429_04.9924.C8
Gene No.	63137	Strand	-
Start	59	End	1320
Name	OJ990429_04.9924.C8.o1.np	Method	AAT/NAP
Start	149	End	1320
GI	5091513	Score	1658
Exons	149..1320		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	30543	Seq. ID	OJ990429_04.9924.C9
Gene No.	63138	Strand	+
Start	6	End	1360
Name	OJ990429_04.9924.C9.o1.gs	Method	GENSCAN
Start	6	End	1360
GI	none	Score	.69
Exons	6..88, 1048..1256, 1338..1360		

Seq. No.	30543	Seq. ID	OJ990429_04.9924.C9
Gene No.	63139	Strand	+
Start	8796	End	10473
Name	OJ990429_04.9924.C9.o3.gs	Method	GENSCAN
Start	8796	End	10473
GI	none	Score	.43
Exons	8796..10157, 10351..10473		

Seq. No.	30543	Seq. ID	OJ990429_04.9924.C9
Gene No.	63139	Strand	+
Start	8796	End	10473
Name	OJ990429_04.9924.C9.o1.np	Method	AAT/NAP

Start	8820	End	10426
GI	129232	Score	1646
Exons	8820..10157, 10351..10426		
GI Descrip.	ORYZAIN BETA CHAIN PRECURSOR gi|67645|pir||KHRZOB oryzain (EC 3.4.22.-) beta precursor - rice gi|218183|dbj|BAA14403.1| (D90407) oryzain beta precursor [Oryza sativa]		

Seq. No.	30543	Seq. ID	OJ990429_04.9924.C9
Gene No.	63140	Strand	-
Start	1997	End	8244
Name	OJ990429_04.9924.C9.o2.gs	Method	GENSCAN
Start	1997	End	8244
GI	none	Score	.71
Exons	1997..2065, 2071..2269, 2447..2572, 2589..2767, 3354..3455, 4024..4044, 5227..5366, 5850..5906, 6241..6358, 6468..6617, 7234..7383, 7718..7800, 7889..8063, 8161..8244		

Seq. No.	30543	Seq. ID	OJ990429_04.9924.C9
Gene No.	63140	Strand	-
Start	1997	End	8244
Name	OJ990429_04.9924.C9.o1.gp	Method	AAT/GAP
Start	4074	End	4316
GI	2797265	Score	470
Exons	4074..4316		

Seq. No.	30543	Seq. ID	OJ990429_04.9924.C9
Gene No.	63140	Strand	-
Start	1997	End	8244
Name	OJ990429_04.9924.C9.o2.tm	Method	TBLASTX:Maize
Start	6263	End	6805
GI	none	Score	74
Exons	6263..6358, 6273..6368, 6274..6366, 6450..6620, 6471..6623, 6727..6801, 6737..6805, 6740..6802		

Seq. No.	30543	Seq. ID	OJ990429_04.9924.C9
Gene No.	63141	Strand	
Start	8904	End	10165
Name	OJ990429_04.9924.C9.o1.tc	Method	TBLASTX:Cress
Start	8904	End	10151
GI	none	Score	42
Exons	8904..8939, 8952..8993, 9044..9103, 9045..9110, 9129..9221, 9146..9199, 9216..9296, 9251..9301, 9285..9428, 9296..9388, 9444..9746, 9449..9745, 9798..9911, 9812..9898, 9975..10151, 9977..10129		

Seq. No.	30543	Seq. ID	OJ990429_04.9924.C9
Gene No.	63141	Strand	
Start	8904	End	10165
Name	OJ990429_04.9924.C9.o1.tm	Method	TBLASTX:Maize
Start	8904	End	10165
GI	none	Score	120
Exons	8904..8996, 8943..8966, 9044..9103, 9045..9125, 9126..9221, 9140..9199, 9209..9745, 9210..9248, 9252..9296, 9297..9746, 9798..9911, 9806..9904, 9898..9933, 9899..9934, 9978..10154, 9980..10165		

Seq. No.	30543	Seq. ID	OJ990429_04.9924.C9

Gene No.	63141	Strand	
Start	8904	End	10165
Name	OJ990429_04.9924.C9.o1.ts	Method	TBLASTX:Soybean
Start	8952	End	10165
GI	none	Score	39
Exons	8952..8993, 9044..9103, 9045..9116, 9129..9197, 9143..9199, 9233..9295, 9252..9296, 9285..9428, 9296..9388, 9437..9742, 9438..9746, 9798..9866, 9812..9847, 9870..9911, 9978..10157, 9992..10165		

Seq. No.	30543	Seq. ID	OJ990429_04.9924.C9
Gene No.	63141	Strand	
Start	8904	End	10165
Name	OJ990429_04.9924.C9.o1.tw	Method	TBLASTX:Wheat
Start	9045	End	9854
GI	none	Score	71
Exons	9045..9116, 9143..9184, 9249..9428, 9251..9388, 9444..9680, 9449..9679, 9681..9854		

Seq. No.	30543	Seq. ID	OJ990429_04.9924.C9
Gene No.	63141	Strand	
Start	8904	End	10165
Name	OJ990429_04.9924.C9.o2.tw	Method	TBLASTX:Wheat
Start	9989	End	10151
GI	none	Score	228
Exons	9989..10150, 9990..10151		

Seq. No.	30544	Seq. ID	OJ990429_04.9924.C10
Gene No.	63142	Strand	+
Start	203	End	255
Name	OJ990429_04.9924.C10.o1.gp	Method	AAT/GAP
Start	203	End	255
GI	LIB3432-014-P1-K1-E9	Score	84
Exons	203..255		
GI Descrip.	'565652/dbj|D28135|HYMRUBSCO 2.0e-10 Hydrogenovibrio marinus gene for ribulose-bisphosphate carboxylase, complete cds'		

Seq. No.	30544	Seq. ID	OJ990429_04.9924.C10
Gene No.	63143	Strand	+
Start	300	End	1215
Name	OJ990429_04.9924.C10.o1.gs	Method	GENSCAN
Start	300	End	1179
GI	none	Score	.64
Exons	300..496, 582..697, 823..847, 1024..1179		

Seq. No.	30544	Seq. ID	OJ990429_04.9924.C10
Gene No.	63143	Strand	+
Start	300	End	1215
Name	OJ990429_04.9924.C10.o1.ts	Method	TBLASTX:Soybean
Start	362	End	1201
GI	none	Score	157
Exons	362..496, 363..494, 815..931, 816..932, 1024..1188, 1025..1201		

Seq. No.	30544	Seq. ID	OJ990429_04.9924.C10
Gene No.	63143	Strand	+
Start	300	End	1215
Name	OJ990429_04.9924.C10.o1.tm	Method	TBLASTX:Maize

Start	369	End	1209
GI	none	Score	176
Exons	369..497, 369..497, 371..508, 565..699, 568..699, 821..934, 1025..1204, 1069..1209	371..529, 557..670, 558..665, 822..938, 1010..1201, 1021..1200,	

Seq. No.	30544	Seq. ID	OJ990429_04.9924.C10
Gene No.	63143	Strand	+
Start	300	End	1215
Name	OJ990429_04.9924.C10.o2.gp	Method	AAT/GAP
Start	379	End	1215
GI	4715716	Score	984
Exons	379..496, 582..697, 823..937, 1024..1215		
GI Descrip.	565652/dbj|D28135|HYMRUBSCO 2.0e-10 Hydrogenovibrio marinus gene for ribulose-bisphosphate carboxylase, complete cds		

Seq. No.	30545	Seq. ID	OJ990429_04.9924.C11
Gene No.	63144	Strand	-
Start	4485	End	6124
Name	OJ990429_04.9924.C11.o1.np	Method	AAT/NAP
Start	4476	End	6124
GI	4263796	Score	304
Exons	4476..4768, 5615..6124		
GI Descrip.	(AC006068) unknown protein [Arabidopsis thaliana]		

Seq. No.	30545	Seq. ID	OJ990429_04.9924.C11
Gene No.	63144	Strand	-
Start	4485	End	6124
Name	OJ990429_04.9924.C11.o2.gs	Method	GENSCAN
Start	4485	End	5997
GI	none	Score	.93
Exons	4485..4821, 5675..5997		

Seq. No.	30546	Seq. ID	OJ990429_04.9924.C12
Gene No.	63145	Strand	-
Start	41	End	5869
Name	OJ990429_04.9924.C12.o1.gs	Method	GENSCAN
Start	41	End	5848
GI	none	Score	.49
Exons	41..399, 1484..1558, 4250..4522, 4963..5103, 5546..5848		

Seq. No.	30546	Seq. ID	OJ990429_04.9924.C12
Gene No.	63145	Strand	-
Start	41	End	5869
Name	OJ990429_04.9924.C12.o1.np	Method	AAT/NAP
Start	3759	End	5869
GI	6063552	Score	867
Exons	3759..3899, 4250..4522, 4963..5146, 5492..5869		
GI Descrip.	(AP000615) ESTs AU065232(E60855),C23624(S1554), AU078241(E60855) correspond to a region of the predicted gene.; similar to putative adenylate kinase. (AC005896) [Oryza sativa]		

Seq. No.	30546	Seq. ID	OJ990429_04.9924.C12
Gene No.	63145	Strand	-
Start	41	End	5869
Name	OJ990429_04.9924.C12.o1.gp	Method	AAT/GAP
Start	4955	End	5665

GI	2431503	Score	470
Exons	4955..5103, 5546..5665		
GI Descrip.	4056480 4.0e-29 (AC005896) putative adenylate kinase [Arabidopsis thaliana]		

Seq. No.	30546	Seq. ID	OJ990429_04.9924.C12
Gene No.	63146	Strand	-
Start	7092	End	10170
Name	OJ990429_04.9924.C12.o2.gp	Method	AAT/GAP
Start	6880	End	7392
GI	19075_1.R1084	Score	947
Exons	6880..7392		
GI Descrip.	'4531444/gb|AAD22129.1|AC006224_11 2.0e-09 (AC006224) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	30546	Seq. ID	OJ990429_04.9924.C12
Gene No.	63146	Strand	-
Start	7092	End	10170
Name	OJ990429_04.9924.C12.o2.gs	Method	GENSCAN
Start	7092	End	10007
GI	none	Score	.89
Exons	7092..7403, 7523..7952, 8116..8213, 8773..8860, 8956..9069, 9158..9362, 9917..10007		

Seq. No.	30546	Seq. ID	OJ990429_04.9924.C12
Gene No.	63146	Strand	-
Start	7092	End	10170
Name	OJ990429_04.9924.C12.o2.np	Method	AAT/NAP
Start	7095	End	10145
GI	4531444	Score	1323
Exons	7095..7403, 7523..7952, 8116..8213, 8361..8463, 8569..8654, 8773..8860, 8956..9069, 9158..9343, 10087..10145		
GI Descrip.	(AC006224) putative amine oxidase [Arabidopsis thaliana]		

Seq. No.	30546	Seq. ID	OJ990429_04.9924.C12
Gene No.	63146	Strand	-
Start	7092	End	10170
Name	OJ990429_04.9924.C12.o3.gp	Method	AAT/GAP
Start	8988	End	10170
GI	29451_1.R1084	Score	1380
Exons	8988..9069, 9158..9362, 9713..10170		
GI Descrip.	'4531444/gb|AAD22129.1|AC006224_11 6.0e-12 (AC006224) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	30546	Seq. ID	OJ990429_04.9924.C12
Gene No.	63147	Strand	-
Start	10895	End	12360
Name	OJ990429_04.9924.C12.o2.tm	Method	TBLASTX:Maize
Start	3488	End	5593
GI	none	Score	42
Exons	3488..3592, 3606..3653, 3607..3642, 3750..3791, 3753..3791, 3762..3896, 3763..3897, 3803..3925, 3806..3901, 4250..4522, 4250..4522, 4252..4524, 4958..5104, 4959..5105, 4963..5133, 4963..5106, 5543..5593, 5546..5593		

Seq. No.	30546	Seq. ID	OJ990429_04.9924.C12
Gene No.	63147	Strand	-

Start	10895	End	12360
Name	OJ990429_04.9924.C12.o2.ts	Method	TBLASTX:Soybean
Start	3762	End	5696
GI	none	Score	129
Exons	3762..3896, 3763..3894, 4241..4519, 4250..4522, 4308..4523, 4958..5104, 4963..5106, 5597..5686, 5598..5696, 5629..5694		

Seq. No.	30546	Seq. ID	OJ990429_04.9924.C12
Gene No.	63147	Strand	-
Start	10895	End	12360
Name	OJ990429_04.9924.C12.o2.tc	Method	TBLASTX:Cress
Start	3781	End	5683
GI	none	Score	114
Exons	3781..3894, 3789..3896, 4250..4522, 4256..4534, 4261..4524, 4963..5064, 4963..5058, 5062..5118, 5064..5108, 5540..5683, 5553..5681		

Seq. No.	30546	Seq. ID	OJ990429_04.9924.C12
Gene No.	63147	Strand	-
Start	10895	End	12360
Name	OJ990429_04.9924.C12.o1.tm	Method	TBLASTX:Maize
Start	7075	End	12234
GI	none	Score	337
Exons	7075..7194, 7092..7403, 7092..7403, 7093..7404, 7301..7405, 7523..7954, 7524..7889, 8076..8216, 8115..8216, 8359..8457, 8360..8458, 8360..8458, 8361..8465, 8564..8656, 8568..8657, 8573..8647, 8772..8858, 8773..8862, 8774..8863, 8956..9069, 8958..9068, 9154..9363, 9157..9363, 9158..9364, 9913..10017, 9913..9945, 9933..10016, 10021..10044, 11515..11727, 11516..11707, 11696..11767, 11697..11765, 11869..12234, 11870..12232		

Seq. No.	30546	Seq. ID	OJ990429_04.9924.C12
Gene No.	63147	Strand	-
Start	10895	End	12360
Name	OJ990429_04.9924.C12.o3.tc	Method	TBLASTX:Cress
Start	7134	End	11771
GI	none	Score	167
Exons	7134..7400, 7153..7428, 7520..7603, 11518..11727, 11519..11701, 11696..11770, 11697..11771		

Seq. No.	30546	Seq. ID	OJ990429_04.9924.C12
Gene No.	63147	Strand	-
Start	10895	End	12360
Name	OJ990429_04.9924.C12.o1.ts	Method	TBLASTX:Soybean
Start	7170	End	12235
GI	none	Score	173
Exons	7170..7400, 7204..7398, 7520..7954, 7544..7882, 7611..7886, 8115..8216, 8115..8216, 8361..8465, 8568..8657, 8956..9069, 8958..9068, 8966..9070, 9137..9259, 9141..9323, 9154..9336, 9157..9273, 11506..11727, 11528..11707, 11646..11771, 11696..11770, 11866..12234, 11867..12235		

Seq. No.	30546	Seq. ID	OJ990429_04.9924.C12
Gene No.	63147	Strand	-
Start	10895	End	12360
Name	OJ990429_04.9924.C12.o1.tc	Method	TBLASTX:Cress

Start	7605	End	12235
GI	none	Score	206
Exons	7605..7670, 7607..7954, 7611..7886, 7613..7990, 7758..7955, 8115..8216, 8125..8199, 8361..8465, 8628..8648, 8767..8811, 8812..8862, 8964..8996, 8971..8994, 8991..9068, 8992..9069, 9157..9273, 9158..9259, 11956..12234, 11957..12235		

Seq. No.	30546	Seq. ID	OJ990429_04.9924.C12
Gene No.	63147	Strand	-
Start	10895	End	12360
Name	OJ990429_04.9924.C12.o1.tw	Method	TBLASTX:Wheat
Start	8622	End	9364
GI	none	Score	77
Exons	8622..8657, 8773..8862, 8774..8863, 8956..9063, 8958..9068, 8963..9070, 9137..9259, 9157..9363, 9166..9345, 9311..9364		

Seq. No.	30546	Seq. ID	OJ990429_04.9924.C12
Gene No.	63147	Strand	-
Start	10895	End	12360
Name	OJ990429_04.9924.C12.o3.gs	Method	GENSCAN
Start	10895	End	12188
GI	none	Score	.44
Exons	10895..11029, 11518..11694, 11869..12188		

Seq. No.	30546	Seq. ID	OJ990429_04.9924.C12
Gene No.	63147	Strand	-
Start	10895	End	12360
Name	OJ990429_04.9924.C12.o4.gp	Method	AAT/GAP
Start	11207	End	12235
GI	2516_1.R1084	Score	1655
Exons	11207..11770, 11869..12235		
GI Descrip.	'4531444/gb|AAD22129.1|AC006224_11 1.0e-160 (AC006224) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	30546	Seq. ID	OJ990429_04.9924.C12
Gene No.	63147	Strand	-
Start	10895	End	12360
Name	OJ990429_04.9924.C12.o3.np	Method	AAT/NAP
Start	11452	End	12360
GI	4531444	Score	636
Exons	11452..11770, 11869..12360		
GI Descrip.	(AC006224) putative amine oxidase [Arabidopsis thaliana]		

Seq. No.	30547	Seq. ID	OJ990429_04.9924.C13
Gene No.	63148	Strand	-
Start	1	End	702
Name	OJ990429_04.9924.C13.o1.ts	Method	TBLASTX:Soybean
Start	1	End	249
GI	none	Score	210
Exons	1..249, 3..248		

Seq. No.	30547	Seq. ID	OJ990429_04.9924.C13
Gene No.	63148	Strand	-
Start	1	End	702
Name	OJ990429_04.9924.C13.o1.np	Method	AAT/NAP
Start	1	End	702
GI	3402678	Score	295

Exons	1..248, 635..702		
GI Descrip.	(AC004697) putative adenylate kinase [Arabidopsis thaliana]		
Seq. No.	30547	Seq. ID	OJ990429_04.9924.C13
Gene No.	63148	Strand	-
Start	1	End	702
Name	OJ990429_04.9924.C13.o1.tc	Method	TBLASTX:Cress
Start	1	End	262
GI	none	Score	245
Exons	1..249, 3..248, 9..260, 11..250, 14..262		
Seq. No.	30547	Seq. ID	OJ990429_04.9924.C13
Gene No.	63148	Strand	-
Start	1	End	702
Name	OJ990429_04.9924.C13.o1.tm	Method	TBLASTX:Maize
Start	1	End	249
GI	none	Score	347
Exons	1..249, 3..248		
Seq. No.	30547	Seq. ID	OJ990429_04.9924.C13
Gene No.	63148	Strand	-
Start	1	End	702
Name	OJ990429_04.9924.C13.o1.gs	Method	GENSCAN
Start	9	End	248
GI	none	Score	.91
Exons	9..248		
Seq. No.	30548	Seq. ID	OJ990429_04.9924.C14
Gene No.	63149	Strand	+
Start	1	End	285
Name	OJ990429_04.9924.C14.o1.np	Method	AAT/NAP
Start	1	End	285
GI	6498441	Score	368
Exons	1..285		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	30548	Seq. ID	OJ990429_04.9924.C14
Gene No.	63149	Strand	+
Start	1	End	285
Name	OJ990429_04.9924.C14.o1.gs	Method	GENSCAN
Start	33	End	197
GI	none	Score	.97
Exons	33..197		
Seq. No.	30549	Seq. ID	OJ990429_04.9924.C15
Gene No.	63150	Strand	-
Start	1	End	709
Name	OJ990429_04.9924.C15.o1.np	Method	AAT/NAP
Start	1	End	709
GI	6907089	Score	1053
Exons	1..709		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	30549	Seq. ID	OJ990429_04.9924.C15
Gene No.	63150	Strand	-

Start	1	End	709
Name	OJ990429_04.9924.C15.o1.gs	Method	GENSCAN
Start	63	End	708
GI	none	Score	.85
Exons	63..514, 657..708		

Seq. No.	30550	Seq. ID	OJ990429_04.9924.C18
Gene No.	63151	Strand	-
Start	50	End	283
Name	OJ990429_04.9924.C18.o1.gs	Method	GENSCAN
Start	50	End	283
GI	none	Score	.5
Exons	50..283		

Seq. No.	30551	Seq. ID	OJ990429_04.9924.C19
Gene No.	63152	Strand	-
Start	1	End	617
Name	OJ990429_04.9924.C19.o1.np	Method	AAT/NAP
Start	1	End	617
GI	3882309	Score	154
Exons	1..186, 384..452, 553..617		
GI Descrip.	(AB018337) KIAA0794 protein [Homo sapiens]		

Seq. No.	30551	Seq. ID	OJ990429_04.9924.C19
Gene No.	63152	Strand	-
Start	1	End	617
Name	OJ990429_04.9924.C19.o1.gp	Method	AAT/GAP
Start	35	End	157
GI	LIB3431-052-P1-K1-E10	Score	178
Exons	35..157		
GI Descrip.	'2244781/emb|CAB10204.1| 5.0e-12 (Z97335) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	30551	Seq. ID	OJ990429_04.9924.C19
Gene No.	63152	Strand	-
Start	1	End	617
Name	OJ990429_04.9924.C19.o1.tm	Method	TBLASTX:Maize
Start	41	End	617
GI	none	Score	167
Exons	41..178, 42..95, 43..189, 43..186, 135..197, 135..188, 365..448, 369..452, 381..452, 382..453, 382..453, 550..615, 551..616, 555..617		

Seq. No.	30551	Seq. ID	OJ990429_04.9924.C19
Gene No.	63152	Strand	-
Start	1	End	617
Name	OJ990429_04.9924.C19.o1.gs	Method	GENSCAN
Start	43	End	458
GI	none	Score	.87
Exons	43..186, 384..458		

Seq. No.	30551	Seq. ID	OJ990429_04.9924.C19
Gene No.	63152	Strand	-
Start	1	End	617
Name	OJ990429_04.9924.C19.o1.ts	Method	TBLASTX:Soybean
Start	43	End	615
GI	none	Score	120

Exons	43..186, 44..178, 381..452, 382..453, 550..615, 551..604		
Seq. No.	30552	Seq. ID	OJ990429_04.9924.C20
Gene No.	63153	Strand	+
Start	1	End	110
Name	OJ990429_04.9924.C20.o1.gp	Method	AAT/GAP
Start	1	End	110
GI	19075_1.R1084	Score	193
Exons	1..110		
GI Descrip.	'4531444/gb|AAD22129.1|AC006224_11 2.0e-09 (AC006224) putative protein kinase [Arabidopsis thaliana]'		
Seq. No.	30552	Seq. ID	OJ990429_04.9924.C20
Gene No.	63154	Strand	-
Start	152	End	372
Name	OJ990429_04.9924.C20.o1.gs	Method	GENSCAN
Start	152	End	372
GI	none	Score	.52
Exons	152..372		
Seq. No.	30553	Seq. ID	OJ990429_04.9924.C25
Gene No.	63155	Strand	+
Start	1208	End	2004
Name	OJ990429_04.9924.C25.o1.gs	Method	GENSCAN
Start	1208	End	2004
GI	none	Score	.75
Exons	1208..1315, 1900..2004		
Seq. No.	30553	Seq. ID	OJ990429_04.9924.C25
Gene No.	63156	Strand	+
Start	4118	End	4796
Name	OJ990429_04.9924.C25.o3.gs	Method	GENSCAN
Start	4118	End	4633
GI	none	Score	.63
Exons	4118..4396, 4502..4633		
Seq. No.	30553	Seq. ID	OJ990429_04.9924.C25
Gene No.	63156	Strand	+
Start	4118	End	4796
Name	OJ990429_04.9924.C25.o1.gp	Method	AAT/GAP
Start	4429	End	4796
GI	none	Score	696
Exons	4429..4796		
Seq. No.	30553	Seq. ID	OJ990429_04.9924.C25
Gene No.	63157	Strand	+
Start	11951	End	14308
Name	OJ990429_04.9924.C25.o2.np	Method	AAT/NAP
Start	11951	End	14308
GI	5091619	Score	654
Exons	11951..12583, 13415..13668, 14229..14308		
GI Descrip.	(AC007454) F23M19.7 [Arabidopsis thaliana]		
Seq. No.	30553	Seq. ID	OJ990429_04.9924.C25
Gene No.	63158	Strand	-
Start	2718	End	3107
Name	OJ990429_04.9924.C25.o2.gs	Method	GENSCAN

Start	2718	End	3107
GI	none	Score	.62
Exons	2718..2837, 2898..3107		

Seq. No.	30553	Seq. ID	OJ990429_04.9924.C25
Gene No.	63159	Strand	-
Start	4684	End	13045
Name	OJ990429_04.9924.C25.o1.tc	Method	TBLASTX:Cress
Start	4669	End	5045
GI	none	Score	71
Exons	4669..4818, 4682..4822, 4801..4851, 4802..4849, 4926..5030, 4933..5001, 5016..5045		

Seq. No.	30553	Seq. ID	OJ990429_04.9924.C25
Gene No.	63159	Strand	-
Start	4684	End	13045
Name	OJ990429_04.9924.C25.o1.tm	Method	TBLASTX:Maize
Start	4670	End	10851
GI	none	Score	180
Exons	4670..4849, 4690..4851, 4691..4849, 4926..5069, 4929..5093, 4931..5101, 4933..5100, 5117..5173, 5118..5186, 5118..5183, 7109..7231, 7113..7229, 7126..7230, 7382..7519, 7384..7530, 7384..7527, 7476..7538, 7476..7529, 7706..7789, 7710..7793, 7722..7793, 7723..7794, 7891..7971, 7892..7972, 7896..7973, 8535..8696, 8541..8696, 8542..8697, 8542..8703, 8543..8701, 10227..10295, 10236..10301, 10281..10349, 10293..10349, 10363..10485, 10549..10623, 10550..10630, 10690..10803, 10697..10804, 10822..10851		

Seq. No.	30553	Seq. ID	OJ990429_04.9924.C25
Gene No.	63159	Strand	-
Start	4684	End	13045
Name	OJ990429_04.9924.C25.o1.ts	Method	TBLASTX:Soybean
Start	4684	End	5063
GI	none	Score	169
Exons	4684..4851, 4926..5063		

Seq. No.	30553	Seq. ID	OJ990429_04.9924.C25
Gene No.	63159	Strand	-
Start	4684	End	13045
Name	OJ990429_04.9924.C25.o4.gs	Method	GENSCAN
Start	4684	End	13045
GI	none	Score	.77
Exons	4684..4848, 4929..5203, 6687..6731, 7126..7228, 7384..7527, 7725..7823, 8542..8704, 10222..10330, 10492..10660, 10690..11094, 11307..11512, 11919..12638, 12976..13045		

Seq. No.	30553	Seq. ID	OJ990429_04.9924.C25
Gene No.	63159	Strand	-
Start	4684	End	13045
Name	OJ990429_04.9924.C25.o1.np	Method	AAT/NAP
Start	4687	End	10794
GI	2244781	Score	406
Exons	4687..4848, 4929..5238, 7131..7228, 7384..7527, 7933..7971, 8542..8679, 10224..10289, 10534..10608, 10690..10794		
GI Descrip.	(Z97335) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30553	Seq. ID	OJ990429_04.9924.C25
Gene No.	63159	Strand	-
Start	4684	End	13045
Name	OJ990429_04.9924.C25.o2.gp	Method	AAT/GAP
Start	5018	End	7498
GI	LIB3431-052-P1-K1-E10	Score	719
Exons	5018..5203, 7126..7228, 7384..7498		
GI Descrip.	'2244781/emb|CAB10204.1| 5.0e-12 (Z97335) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	30553	Seq. ID	OJ990429_04.9924.C25
Gene No.	63159	Strand	-
Start	4684	End	13045
Name	OJ990429_04.9924.C25.o2.ts	Method	TBLASTX:Soybean
Start	7160	End	8625
GI	none	Score	120
Exons	7160..7231, 7384..7527, 7385..7519, 7722..7793, 7723..7794, 7891..7971, 7892..7972, 8542..8625, 8543..8620		

Seq. No.	30553	Seq. ID	OJ990429_04.9924.C25
Gene No.	63159	Strand	-
Start	4684	End	13045
Name	OJ990429_04.9924.C25.o3.gp	Method	AAT/GAP
Start	10719	End	10895
GI	2796817	Score	270
Exons	10719..10895		

Seq. No.	30553	Seq. ID	OJ990429_04.9924.C25
Gene No.	63160	Strand	
Start	13434	End	13669
Name	OJ990429_04.9924.C25.o2.tm	Method	TBLASTX:Maize
Start	13434	End	13669
GI	none	Score	345
Exons	13434..13667, 13435..13668, 13436..13669		

Seq. No.	30554	Seq. ID	OJ990429_04.9924.C26
Gene No.	63161	Strand	+
Start	291	End	842
Name	OJ990429_04.9924.C26.o1.gs	Method	GENSCAN
Start	291	End	842
GI	none	Score	.9
Exons	291..842		

Seq. No.	30554	Seq. ID	OJ990429_04.9924.C26
Gene No.	63161	Strand	+
Start	291	End	842
Name	OJ990429_04.9924.C26.o1.np	Method	AAT/NAP
Start	291	End	839
GI	5091619	Score	656
Exons	291..839		
GI Descrip.	(AC007454) F23M19.7 [Arabidopsis thaliana]		

Seq. No.	30554	Seq. ID	OJ990429_04.9924.C26
Gene No.	63162	Strand	-
Start	1258	End	1678
Name	OJ990429_04.9924.C26.o1.tm	Method	TBLASTX:Maize
Start	288	End	773

GI	none	Score	341
Exons	288..680, 377..499, 717..773		

Seq. No.	30554	Seq. ID	OJ990429_04.9924.C26
Gene No.	63162	Strand	-
Start	1258	End	1678
Name	OJ990429_04.9924.C26.o1.tc	Method	TBLASTX:Cress
Start	290	End	677
GI	none	Score	280
Exons	290..499, 291..677		

Seq. No.	30554	Seq. ID	OJ990429_04.9924.C26
Gene No.	63162	Strand	-
Start	1258	End	1678
Name	OJ990429_04.9924.C26.o1.ts	Method	TBLASTX:Soybean
Start	291	End	536
GI	none	Score	215
Exons	291..536, 389..499, 414..524		

Seq. No.	30554	Seq. ID	OJ990429_04.9924.C26
Gene No.	63162	Strand	-
Start	1258	End	1678
Name	OJ990429_04.9924.C26.o1.tw	Method	TBLASTX:Wheat
Start	308	End	674
GI	none	Score	270
Exons	308..499, 309..674, 393..626		

Seq. No.	30554	Seq. ID	OJ990429_04.9924.C26
Gene No.	63162	Strand	-
Start	1258	End	1678
Name	OJ990429_04.9924.C26.o1.gp	Method	AAT/GAP
Start	1258	End	1678
GI	4715716	Score	583
Exons	1258..1487, 1574..1678		
GI Descrip.	565652/dbj|D28135|HYMRUBSCO 2.0e-10 Hydrogenovibrio marinus gene for ribulose-bisphosphate carboxylase, complete cds		

Seq. No.	30554	Seq. ID	OJ990429_04.9924.C26
Gene No.	63162	Strand	-
Start	1258	End	1678
Name	OJ990429_04.9924.C26.o2.gs	Method	GENSCAN
Start	1289	End	1487
GI	none	Score	.97
Exons	1289..1487		

Seq. No.	30554	Seq. ID	OJ990429_04.9924.C26
Gene No.	63162	Strand	-
Start	1258	End	1678
Name	OJ990429_04.9924.C26.o2.tm	Method	TBLASTX:Maize
Start	1302	End	1678
GI	none	Score	167
Exons	1302..1442, 1307..1486, 1310..1501, 1311..1490, 1573..1677, 1577..1678, 1580..1678		

Seq. No.	30554	Seq. ID	OJ990429_04.9924.C26
Gene No.	63162	Strand	-
Start	1258	End	1678

Name	OJ990429_04.9924.C26.o2.ts	Method	TBLASTX:Soybean
Start	1310	End	1677
GI	none	Score	89
Exons	1310..1486, 1323..1487, 1579..1677, 1580..1672		

Seq. No.	30555	Seq. ID	OJ990429_04.9924.C27
Gene No.	63163	Strand	+
Start	1	End	444
Name	OJ990429_04.9924.C27.o1.np	Method	AAT/NAP
Start	1	End	444
GI	5091513	Score	376
Exons	1..444		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	30556	Seq. ID	OJ990429_04.9924.C28
Gene No.	63164	Strand	+
Start	1	End	603
Name	OJ990429_04.9924.C28.o1.np	Method	AAT/NAP
Start	1	End	603
GI	6686400	Score	451
Exons	1..603		
GI Descrip.	(AC007234) F1E22.18 [Arabidopsis thaliana]		

Seq. No.	30556	Seq. ID	OJ990429_04.9924.C28
Gene No.	63164	Strand	+
Start	1	End	603
Name	OJ990429_04.9924.C28.o1.tm	Method	TBLASTX:Maize
Start	87	End	541
GI	none	Score	62
Exons	87..188, 115..540, 116..541		

Seq. No.	30556	Seq. ID	OJ990429_04.9924.C28
Gene No.	63164	Strand	+
Start	1	End	603
Name	OJ990429_04.9924.C28.o1.tc	Method	TBLASTX:Cress
Start	115	End	465
GI	none	Score	87
Exons	115..312, 115..459, 116..463, 400..465		

Seq. No.	30556	Seq. ID	OJ990429_04.9924.C28
Gene No.	63164	Strand	+
Start	1	End	603
Name	OJ990429_04.9924.C28.o1.ts	Method	TBLASTX:Soybean
Start	116	End	544
GI	none	Score	498
Exons	116..541, 142..459, 188..544		

Seq. No.	30556	Seq. ID	OJ990429_04.9924.C28
Gene No.	63164	Strand	+
Start	1	End	603
Name	OJ990429_04.9924.C28.o1.gs	Method	GENSCAN
Start	118	End	550
GI	none	Score	.54
Exons	118..550		

Seq. No.	30557	Seq. ID	OJ990429_04.9924.C29
Gene No.	63165	Strand	+

Start	294	End	622
Name	OJ990429_04.9924.C29.o1.gs	Method	GENSCAN
Start	294	End	622
GI	none	Score	.86
Exons	294..622		

Seq. No.	30557	Seq. ID	OJ990429_04.9924.C29
Gene No.	63166	Strand	-
Start	1	End	91
Name	OJ990429_04.9924.C29.o1.np	Method	AAT/NAP
Start	1	End	91
GI	5091512	Score	124
Exons	1..91		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	30557	Seq. ID	OJ990429_04.9924.C29
Gene No.	63167	Strand	-
Start	954	End	1109
Name	OJ990429_04.9924.C29.o2.gs	Method	GENSCAN
Start	954	End	1109
GI	none	Score	.51
Exons	954..1109		

Seq. No.	30557	Seq. ID	OJ990429_04.9924.C29
Gene No.	63168	Strand	-
Start	2554	End	3624
Name	OJ990429_04.9924.C29.o3.gs	Method	GENSCAN
Start	2554	End	3624
GI	none	Score	.62
Exons	2554..2740, 3067..3235, 3501..3624		

Seq. No.	30558	Seq. ID	OJ990429_04.9924.C30
Gene No.	63169	Strand	+
Start	351	End	5588
Name	OJ990429_04.9924.C30.o1.gs	Method	GENSCAN
Start	351	End	3379
GI	none	Score	.57
Exons	351..397, 406..448, 775..879, 936..2626, 2650..3379		

Seq. No.	30558	Seq. ID	OJ990429_04.9924.C30
Gene No.	63169	Strand	+
Start	351	End	5588
Name	OJ990429_04.9924.C30.o5.tw	Method	TBLASTX:Wheat
Start	1448	End	2000
GI	none	Score	34
Exons	1448..1483, 1608..1655, 1662..1760, 1667..1759, 1727..1921, 1743..2000		

Seq. No.	30558	Seq. ID	OJ990429_04.9924.C30
Gene No.	63169	Strand	+
Start	351	End	5588
Name	OJ990429_04.9924.C30.o1.np	Method	AAT/NAP
Start	1459	End	5588
GI	6498441	Score	4498
Exons	1459..2523, 2853..3316, 3380..3753, 3937..4071, 4245..4584, 4777..5159, 5331..5588		

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	30558	Seq. ID	OJ990429_04.9924.C30
Gene No.	63169	Strand	+
Start	351	End	5588
Name	OJ990429_04.9924.C30.o3.tm	Method	TBLASTX:Maize
Start	1650	End	1898
GI	none	Score	195
Exons	1650..1898, 1652..1897		

Seq. No.	30558	Seq. ID	OJ990429_04.9924.C30
Gene No.	63169	Strand	+
Start	351	End	5588
Name	OJ990429_04.9924.C30.o3.tw	Method	TBLASTX:Wheat
Start	2737	End	3223
GI	none	Score	391
Exons	2737..2910, 2738..3223, 2932..3192		

Seq. No.	30558	Seq. ID	OJ990429_04.9924.C30
Gene No.	63169	Strand	+
Start	351	End	5588
Name	OJ990429_04.9924.C30.o1.tw	Method	TBLASTX:Wheat
Start	3387	End	3850
GI	none	Score	97
Exons	3387..3575, 3388..3843, 3389..3850, 3389..3844		

Seq. No.	30558	Seq. ID	OJ990429_04.9924.C30
Gene No.	63169	Strand	+
Start	351	End	5588
Name	OJ990429_04.9924.C30.o2.ts	Method	TBLASTX:Soybean
Start	3428	End	3793
GI	none	Score	108
Exons	3428..3652, 3659..3793		

Seq. No.	30558	Seq. ID	OJ990429_04.9924.C30
Gene No.	63169	Strand	+
Start	351	End	5588
Name	OJ990429_04.9924.C30.o1.tm	Method	TBLASTX:Maize
Start	3518	End	3874
GI	none	Score	379
Exons	3518..3874, 3553..3864, 3569..3874		

Seq. No.	30558	Seq. ID	OJ990429_04.9924.C30
Gene No.	63169	Strand	+
Start	351	End	5588
Name	OJ990429_04.9924.C30.o2.tm	Method	TBLASTX:Maize
Start	3901	End	4284
GI	none	Score	287
Exons	3901..4185, 3902..4186, 4174..4284		

Seq. No.	30558	Seq. ID	OJ990429_04.9924.C30
Gene No.	63169	Strand	+
Start	351	End	5588
Name	OJ990429_04.9924.C30.o2.tw	Method	TBLASTX:Wheat
Start	3958	End	4377

GI	none	Score	281
Exons	3958..4188, 3959..4189, 4171..4377, 4197..4370		

Seq. No.	30558	Seq. ID	OJ990429_04.9924.C30
Gene No.	63169	Strand	+
Start	351	End	5588
Name	OJ990429_04.9924.C30.o1.ts	Method	TBLASTX:Soybean
Start	4037	End	4506
GI	none	Score	154
Exons	4037..4180, 4054..4179, 4177..4407, 4465..4506		

Seq. No.	30558	Seq. ID	OJ990429_04.9924.C30
Gene No.	63169	Strand	+
Start	351	End	5588
Name	OJ990429_04.9924.C30.o4.tw	Method	TBLASTX:Wheat
Start	5007	End	5465
GI	none	Score	223
Exons	5007..5261, 5031..5282, 5096..5281, 5316..5465, 5327..5464		

Seq. No.	30559	Seq. ID	OJ990429_04.9924.C31
Gene No.	63170	Strand	+
Start	1	End	1377
Name	OJ990429_04.9924.C31.o1.np	Method	AAT/NAP
Start	1	End	1374
GI	6498441	Score	2135
Exons	1..999, 1093..1374		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	30559	Seq. ID	OJ990429_04.9924.C31
Gene No.	63170	Strand	+
Start	1	End	1377
Name	OJ990429_04.9924.C31.o1.gs	Method	GENSCAN
Start	76	End	1377
GI	none	Score	.99
Exons	76..1377		

Seq. No.	30559	Seq. ID	OJ990429_04.9924.C31
Gene No.	63171	Strand	+
Start	1535	End	1645
Name	OJ990429_04.9924.C31.o1.tm	Method	TBLASTX:Maize
Start	244	End	606
GI	none	Score	361
Exons	244..567, 273..554, 559..606		

Seq. No.	30559	Seq. ID	OJ990429_04.9924.C31
Gene No.	63171	Strand	+
Start	1535	End	1645
Name	OJ990429_04.9924.C31.o1.tw	Method	TBLASTX:Wheat
Start	381	End	782
GI	none	Score	372
Exons	381..437, 382..762, 382..723, 483..782		

Seq. No.	30559	Seq. ID	OJ990429_04.9924.C31
Gene No.	63171	Strand	+
Start	1535	End	1645

Name	OJ990429_04.9924.C31.o2.tw	Method	TBLASTX:Wheat
Start	786	End	1365
GI	none	Score	82
Exons	786..1046, 787..1047, 789..1046, 811..1179, 1239..1361, 1240..1365		

Seq. No.	30559	Seq. ID	OJ990429_04.9924.C31
Gene No.	63171	Strand	+
Start	1535	End	1645
Name	OJ990429_04.9924.C31.o2.tm	Method	TBLASTX:Maize
Start	1234	End	1377
GI	none	Score	187
Exons	1234..1377, 1239..1373		

Seq. No.	30559	Seq. ID	OJ990429_04.9924.C31
Gene No.	63171	Strand	+
Start	1535	End	1645
Name	OJ990429_04.9924.C31.o1.gp	Method	AAT/GAP
Start	1535	End	1645
GI	2428323	Score	202
Exons	1535..1645		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	30560	Seq. ID	OJ990429_04.9924.C32
Gene No.	63172	Strand	+
Start	4020	End	9176
Name	OJ990429_04.9924.C32.o2.gs	Method	GENSCAN
Start	4020	End	8912
GI	none	Score	.74
Exons	4020..4123, 4164..4289, 5738..6387, 7541..7755, 7852..7992, 8069..8536, 8847..8912		

Seq. No.	30560	Seq. ID	OJ990429_04.9924.C32
Gene No.	63172	Strand	+
Start	4020	End	9176
Name	OJ990429_04.9924.C32.o1.gp	Method	AAT/GAP
Start	5775	End	9176
GI	559_1.R1084	Score	3347
Exons	5775..6387, 7517..7755, 7852..7992, 8069..8536, 8847..9176		
GI Descrip.	'129232/sp|P25777|ORYB_ORYSA 0.0e+00 ORYZAIN BETA CHAIN PRECURSOR >gi_67645_pir__KHRZOB oryzain (EC 3.4.22.-) beta precursor - rice >gi_218183_dbj_BAA14403_ (D90407) oryzain beta precursor [Oryza sativa]'		

Seq. No.	30560	Seq. ID	OJ990429_04.9924.C32
Gene No.	63172	Strand	+
Start	4020	End	9176
Name	OJ990429_04.9924.C32.o3.np	Method	AAT/NAP
Start	5902	End	8928
GI	129232	Score	2339
Exons	5902..6387, 7517..7755, 7852..7992, 8069..8536, 8847..8928		
GI Descrip.	ORYZAIN BETA CHAIN PRECURSOR gi|67645|pir||KHRZOB oryzain (EC 3.4.22.-) beta precursor - rice gi|218183|dbj|BAA14403.1| (D90407) oryzain beta precursor [Oryza sativa]		

Seq. No.	30560	Seq. ID	OJ990429_04.9924.C32

Gene No.	63173	Strand	-
Start	506	End	5409
Name	OJ990429_04.9924.C32.o1.np	Method	AAT/NAP
Start	452	End	3739
GI	6907089	Score	4871
Exons	452..2384, 2480..3739		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	30560	Seq. ID	OJ990429_04.9924.C32
Gene No.	63173	Strand	-
Start	506	End	5409
Name	OJ990429_04.9924.C32.o1.gs	Method	GENSCAN
Start	506	End	3739
GI	none	Score	.91
Exons	506..2384, 2480..3369, 3414..3543, 3576..3739		

Seq. No.	30560	Seq. ID	OJ990429_04.9924.C32
Gene No.	63173	Strand	-
Start	506	End	5409
Name	OJ990429_04.9924.C32.o2.np	Method	AAT/NAP
Start	2953	End	5409
GI	5922623	Score	189
Exons	2953..2971, 4564..4639, 4807..4960, 5335..5409		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	30560	Seq. ID	OJ990429_04.9924.C32
Gene No.	63174	Strand	-
Start	9468	End	9632
Name	OJ990429_04.9924.C32.o1.tm	Method	TBLASTX:Maize
Start	5952	End	8969
GI	none	Score	46
Exons	5952..6002, 5974..6003, 6030..6080, 6054..6083, 6083..6166, 6105..6188, 6189..6281, 6203..6271, 6273..6320, 6287..6304, 6315..6389, 6321..6344, 6347..6406, 7515..7754, 7515..7754, 7516..7755, 7852..7992, 7852..7992, 8068..8286, 8069..8287, 8340..8531, 8348..8533, 8808..8921, 8845..8922, 8846..8923, 8907..8969		

Seq. No.	30560	Seq. ID	OJ990429_04.9924.C32
Gene No.	63174	Strand	-
Start	9468	End	9632
Name	OJ990429_04.9924.C32.o1.tc	Method	TBLASTX:Cress
Start	5959	End	8896
GI	none	Score	47
Exons	5959..6003, 6024..6173, 6192..6275, 6279..6389, 7515..7622, 7516..7626, 7605..7754, 7630..7758, 7633..7746, 7647..7754, 7852..7992, 7852..7992, 7854..7994, 7854..8003, 8068..8286, 8069..8287, 8131..8295, 8357..8530, 8367..8534, 8846..8896		

Seq. No.	30560	Seq. ID	OJ990429_04.9924.C32
Gene No.	63174	Strand	-
Start	9468	End	9632
Name	OJ990429_04.9924.C32.o1.ts	Method	TBLASTX:Soybean
Start	5959	End	8530
GI	none	Score	46

Exons	5959..6003, 6105..6179, 6192..6281, 6206..6274, 6279..6389, 6350..6391, 7515..7622, 7516..7623, 7587..7754, 7626..7748, 7627..7755, 7627..7758, 7852..7992, 7854..7976, 8047..8196, 8063..8221, 8075..8218, 8221..8286, 8222..8287, 8350..8454, 8351..8530, 8433..8528		

Seq. No.	30560	Seq. ID	OJ990429_04.9924.C32
Gene No.	63174	Strand	-
Start	9468	End	9632
Name	OJ990429_04.9924.C32.o1.tw	Method	TBLASTX:Wheat
Start	6108	End	8209
GI	none	Score	58
Exons	6108..6179, 6192..6251, 6312..6380, 7519..7617, 7633..7746, 7867..7965, 8057..8137, 8111..8209, 8147..8209		

Seq. No.	30560	Seq. ID	OJ990429_04.9924.C32
Gene No.	63174	Strand	-
Start	9468	End	9632
Name	OJ990429_04.9924.C32.o2.tw	Method	TBLASTX:Wheat
Start	8370	End	8897
GI	none	Score	240
Exons	8370..8537, 8375..8548, 8847..8897		

Seq. No.	30560	Seq. ID	OJ990429_04.9924.C32
Gene No.	63174	Strand	-
Start	9468	End	9632
Name	OJ990429_04.9924.C32.o3.gs	Method	GENSCAN
Start	9468	End	9632
GI	none	Score	.84
Exons	9468..9632		

Seq. No.	30561	Seq. ID	OJ990429_04.9924.C33
Gene No.	63175	Strand	+
Start	6405	End	10208
Name	OJ990429_04.9924.C33.o3.gs	Method	GENSCAN
Start	6405	End	10096
GI	none	Score	.69
Exons	6405..6522, 7278..7525, 7599..7670, 7768..8077, 8176..8350, 8428..8629, 9269..9483, 9525..9608, 9922..10096		

Seq. No.	30561	Seq. ID	OJ990429_04.9924.C33
Gene No.	63175	Strand	+
Start	6405	End	10208
Name	OJ990429_04.9924.C33.o2.np	Method	AAT/NAP
Start	7497	End	10091
GI	2633727	Score	373
Exons	7497..7670, 7768..8072, 8176..8350, 8428..8602, 9269..9385, 9428..9483, 9922..10091		
GI Descrip.	(Z99111) ykrT [Bacillus subtilis]		

Seq. No.	30561	Seq. ID	OJ990429_04.9924.C33
Gene No.	63175	Strand	+
Start	6405	End	10208
Name	OJ990429_04.9924.C33.o2.gp	Method	AAT/GAP
Start	7942	End	8384
GI	none	Score	499
Exons	7942..8077, 8176..8384		

Seq. No.	30561	Seq. ID	OJ990429_04.9924.C33
Gene No.	63175	Strand	+
Start	6405	End	10208
Name	OJ990429_04.9924.C33.o3.gp	Method	AAT/GAP
Start	8437	End	10208
GI	1735_1.R1084	Score	1203
Exons	8437..8629, 9269..9483, 9922..10208		
GI Descrip.	'2633727/emb|CAB13229| 1.0e-23 (Z99111) ykrT [Bacillus subtilis]'		

Seq. No.	30561	Seq. ID	OJ990429_04.9924.C33
Gene No.	63176	Strand	-
Start	39	End	206
Name	OJ990429_04.9924.C33.o1.gs	Method	GENSCAN
Start	39	End	206
GI	none	Score	.49
Exons	39..206		

Seq. No.	30561	Seq. ID	OJ990429_04.9924.C33
Gene No.	63177	Strand	-
Start	3330	End	5144
Name	OJ990429_04.9924.C33.o2.tm	Method	TBLASTX:Maize
Start	3304	End	4960
GI	none	Score	193
Exons	3304..3483, 3316..3486, 3330..3488, 3510..3644, 3596..3676, 3599..3670, 3778..3933, 3789..3935, 3790..3939, 4774..4959, 4775..4960		

Seq. No.	30561	Seq. ID	OJ990429_04.9924.C33
Gene No.	63177	Strand	-
Start	3330	End	5144
Name	OJ990429_04.9924.C33.o2.gs	Method	GENSCAN
Start	3330	End	5094
GI	none	Score	.91
Exons	3330..3484, 3600..3669, 3790..3931, 4775..4955, 5043..5094		

Seq. No.	30561	Seq. ID	OJ990429_04.9924.C33
Gene No.	63177	Strand	-
Start	3330	End	5144
Name	OJ990429_04.9924.C33.o1.np	Method	AAT/NAP
Start	3332	End	5112
GI	6822058	Score	253
Exons	3332..3484, 3600..3669, 3790..3931, 4775..4955, 5043..5112		
GI Descrip.	(AL132957) putative protein [Arabidopsis thaliana]		

Seq. No.	30561	Seq. ID	OJ990429_04.9924.C33
Gene No.	63177	Strand	-
Start	3330	End	5144
Name	OJ990429_04.9924.C33.o1.gp	Method	AAT/GAP
Start	3465	End	5144
GI	20664_1.R1084	Score	851
Exons	3465..3484, 3600..3669, 3790..3931, 4775..4955, 5043..5144		
GI Descrip.	'4662633/gb|AAD26905.1|AC007267_5 2.0e-10 (AC007267) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	30561	Seq. ID	OJ990429_04.9924.C33

Gene No.	63178	Strand	
Start	7469	End	10101
Name	OJ990429_04.9924.C33.o1.tm	Method	TBLASTX:Maize
Start	7469	End	10101
GI	none	Score	104
Exons	7469..7555, 7497..7568, 7559..7669, 7569..7670, 7746..7853, 7763..7909, 7765..8076, 7765..8025, 7767..8075, 8009..8080, 8009..8077, 8174..8350, 8175..8351, 8421..8624, 8425..8628, 8429..8629, 9262..9483, 9266..9484, 9267..9491, 9919..10095, 9920..10096, 9922..10101		

Seq. No.	30561	Seq. ID	OJ990429_04.9924.C33
Gene No.	63178	Strand	
Start	7469	End	10101
Name	OJ990429_04.9924.C33.o2.ts	Method	TBLASTX:Soybean
Start	7475	End	7926
GI	none	Score	68
Exons	7475..7555, 7538..7669, 7539..7670, 7765..7926, 7765..7923, 7767..7925		

Seq. No.	30561	Seq. ID	OJ990429_04.9924.C33
Gene No.	63178	Strand	
Start	7469	End	10101
Name	OJ990429_04.9924.C33.o1.tc	Method	TBLASTX:Cress
Start	7481	End	7980
GI	none	Score	64
Exons	7481..7555, 7580..7669, 7581..7670, 7765..7980, 7765..7944, 7767..7979		

Seq. No.	30561	Seq. ID	OJ990429_04.9924.C33
Gene No.	63178	Strand	
Start	7469	End	10101
Name	OJ990429_04.9924.C33.o1.ts	Method	TBLASTX:Soybean
Start	7927	End	9376
GI	none	Score	214
Exons	7927..8073, 7932..8063, 8171..8350, 8175..8348, 8422..8625, 8425..8658, 8426..8629, 9262..9375, 9266..9376		

Seq. No.	30561	Seq. ID	OJ990429_04.9924.C33
Gene No.	63178	Strand	
Start	7469	End	10101
Name	OJ990429_04.9924.C33.o3.tc	Method	TBLASTX:Cress
Start	7981	End	8351
GI	none	Score	109
Exons	7981..8070, 7991..8104, 8193..8351, 8213..8275		

Seq. No.	30561	Seq. ID	OJ990429_04.9924.C33
Gene No.	63178	Strand	
Start	7469	End	10101
Name	OJ990429_04.9924.C33.o2.tc	Method	TBLASTX:Cress
Start	9272	End	10078
GI	none	Score	264
Exons	9272..9484, 9273..9485, 9274..9483, 9910..10062, 9920..10078		

Seq. No.	30561	Seq. ID	OJ990429_04.9924.C33
Gene No.	63178	Strand	
Start	7469	End	10101

Name	OJ990429_04.9924.C33.o3.ts	Method	TBLASTX:Soybean
Start	9914	End	10084
GI	none	Score	190
Exons	9914..10084, 9919..10065, 9920..10066		

Seq. No.	30562	Seq. ID	OJ990429_04.9924.C34
Gene No.	63179	Strand	+
Start	736	End	1452
Name	OJ990429_04.9924.C34.o1.gs	Method	GENSCAN
Start	736	End	1452
GI	none	Score	.59
Exons	736..862, 1296..1452		

Seq. No.	30562	Seq. ID	OJ990429_04.9924.C34
Gene No.	63180	Strand	+
Start	2710	End	3082
Name	OJ990429_04.9924.C34.o1.gp	Method	AAT/GAP
Start	2710	End	3082
GI	26361_1.R1084	Score	685
Exons	2710..3082		
GI Descrip.	'2633727/emb|CAB13229| 7.0e-13 (Z99111) ykrT [Bacillus subtilis]'		

Seq. No.	30562	Seq. ID	OJ990429_04.9924.C34
Gene No.	63181	Strand	-
Start	1780	End	3072
Name	OJ990429_04.9924.C34.o2.gs	Method	GENSCAN
Start	1780	End	3072
GI	none	Score	.85
Exons	1780..1790, 2733..3072		

Seq. No.	30562	Seq. ID	OJ990429_04.9924.C34
Gene No.	63181	Strand	-
Start	1780	End	3072
Name	OJ990429_04.9924.C34.o1.tm	Method	TBLASTX:Maize
Start	2898	End	3071
GI	none	Score	104
Exons	2898..2975, 2899..2976, 2970..3071, 2971..3069		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63182	Strand	+
Start	1	End	2570
Name	OJ990429_04.9924.C35.o1.gp	Method	AAT/GAP
Start	1	End	597
GI	none	Score	640
Exons	1..121, 270..444, 524..597		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63182	Strand	+
Start	1	End	2570
Name	OJ990429_04.9924.C35.o1.np	Method	AAT/NAP
Start	1	End	1232
GI	2633727	Score	226
Exons	1..118, 270..444, 524..698, 1147..1232		
GI Descrip.	(Z99111) ykrT [Bacillus subtilis]		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35

Gene No.	63182	Strand	+
Start	1	End	2570
Name	OJ990429_04.9924.C35.o1.gs	Method	GENSCAN
Start	46	End	2220
GI	none	Score	.93
Exons	46..121, 270..444, 524..725, 1147..1361, 2046..2220		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63182	Strand	+
Start	1	End	2570
Name	OJ990429_04.9924.C35.o2.gp	Method	AAT/GAP
Start	535	End	2570
GI	1735_1.R1084	Score	1725
Exons	535..725, 1147..1361, 2046..2570		
GI Descrip.	'2633727/emb|CAB13229| 1.0e-23 (Z99111) ykrT [Bacillus subtilis]'		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63183	Strand	+
Start	3149	End	11440
Name	OJ990429_04.9924.C35.o2.gs	Method	GENSCAN
Start	3149	End	3669
GI	none	Score	.95
Exons	3149..3323, 3530..3669		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63183	Strand	+
Start	3149	End	11440
Name	OJ990429_04.9924.C35.o2.np	Method	AAT/NAP
Start	3173	End	9431
GI	2832680	Score	1015
Exons	3173..3323, 6000..6052, 6203..6326, 6402..6550, 6627..6734, 6837..6914, 7338..7680, 7770..7822, 7906..8029, 8119..8240, 9321..9431		
GI Descrip.	(AL021712) putative protein [Arabidopsis thaliana]		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63183	Strand	+
Start	3149	End	11440
Name	OJ990429_04.9924.C35.o3.gs	Method	GENSCAN
Start	5557	End	11440
GI	none	Score	.52
Exons	5557..5595, 5667..5798, 6203..6326, 6402..6523, 7467..7680, 7770..7822, 7906..8029, 8978..9062, 11344..11440		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63183	Strand	+
Start	3149	End	11440
Name	OJ990429_04.9924.C35.o3.gp	Method	AAT/GAP
Start	9478	End	9874
GI	LIB3434-021-P1-K1-B9	Score	744
Exons	9478..9874		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63184	Strand	+

Start	13168	End	13393
Name	OJ990429_04.9924.C35.o4.gp	Method	AAT/GAP
Start	13168	End	13393
GI	2312838	Score	68
Exons	13168..13239, 13364..13393		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63185	Strand	+
Start	16040	End	16521
Name	OJ990429_04.9924.C35.o6.gp	Method	AAT/GAP
Start	16040	End	16521
GI	36804_1.R1084	Score	858
Exons	16040..16521		
GI Descrip.	'5579090/gb|AAD45423.1|AF099186_1 1.0e-22 (AF099186) EH domain-containing protein EHD1 [Mus musculus]'		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63186	Strand	-
Start	12811	End	15811
Name	OJ990429_04.9924.C35.o4.gs	Method	GENSCAN
Start	12811	End	15811
GI	none	Score	.67
Exons	12811..12988, 14544..14584, 14649..15085, 15136..15253, 15347..15579, 15751..15811		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63186	Strand	-
Start	12811	End	15811
Name	OJ990429_04.9924.C35.o5.gp	Method	AAT/GAP
Start	14345	End	14588
GI	2797574	Score	479
Exons	14345..14588		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63186	Strand	-
Start	12811	End	15811
Name	OJ990429_04.9924.C35.o3.np	Method	AAT/NAP
Start	14631	End	15275
GI	2781359	Score	198
Exons	14631..14706, 14803..15275		
GI Descrip.	(AC003113) F25O1.15 [Arabidopsis thaliana]		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63187	Strand	-
Start	16166	End	17551
Name	OJ990429_04.9924.C35.o2.ts	Method	TBLASTX:Soybean
Start	1	End	1254
GI	none	Score	162
Exons	1..117, 265..444, 269..442, 270..446, 517..582, 518..721, 521..754, 522..725, 1144..1254, 1146..1253		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63187	Strand	-
Start	16166	End	17551
Name	OJ990429_04.9924.C35.o3.tm	Method	TBLASTX:Maize

Start	1	End	2220
GI	none	Score	193
Exons	1..120, 1..69, 3..119, 267..356, 268..444, 269..445, 292..447, 517..720, 521..724, 525..725, 525..725, 526..726, 1144..1362, 1144..1212, 1146..1367, 1146..1367, 2043..2219, 2044..2220		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63187	Strand	-
Start	16166	End	17551
Name	OJ990429_04.9924.C35.o2.tc	Method	TBLASTX:Cress
Start	1149	End	2202
GI	none	Score	109
Exons	1149..1358, 1150..1362, 1151..1366, 1151..1366, 1152..1367, 2034..2186, 2043..2180, 2044..2202		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63187	Strand	-
Start	16166	End	17551
Name	OJ990429_04.9924.C35.o4.ts	Method	TBLASTX:Soybean
Start	2038	End	2208
GI	none	Score	191
Exons	2038..2208, 2043..2189, 2044..2190		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63187	Strand	-
Start	16166	End	17551
Name	OJ990429_04.9924.C35.o3.ts	Method	TBLASTX:Soybean
Start	3158	End	8031
GI	none	Score	78
Exons	3158..3259, 3184..3231, 3244..3321, 3254..3322, 3532..3582, 3689..3811, 3733..3810, 6215..6331, 6247..6327, 7512..7679, 7544..7678, 7771..7812, 7772..7828, 7864..8031, 7908..8030		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63187	Strand	-
Start	16166	End	17551
Name	OJ990429_04.9924.C35.o2.tm	Method	TBLASTX:Maize
Start	3184	End	9631
GI	none	Score	78
Exons	3184..3231, 3185..3250, 3266..3322, 3526..3582, 3531..3578, 3689..3811, 3720..3812, 3733..3810, 3888..4010, 3888..4010, 3889..4011, 4331..4441, 4562..4642, 5748..5780, 5811..5879, 6002..6052, 6212..6346, 6247..6327, 6399..6515, 6400..6522, 6401..6523, 6624..6734, 6625..6735, 6626..6733, 6636..6734, 6834..6914, 7425..7511, 7512..7679, 7512..7631, 7544..7678, 7769..7828, 7771..7818, 7858..8031, 7905..8030, 8101..8238, 8109..8240, 8116..8241, 8117..8239, 8118..8240, 9318..9428, 9319..9429, 9320..9427, 9338..9466, 9525..9629, 9525..9629, 9527..9631		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63187	Strand	-
Start	16166	End	17551
Name	OJ990429_04.9924.C35.o3.tc	Method	TBLASTX:Cress
Start	3185	End	7962
GI	none	Score	75
Exons	3185..3232, 3266..3322, 3532..3582, 3689..3742, 7539..7679,		

7544..7678, 7771..7812, 7772..7828, 7864..7962, 7905..7961

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63187	Strand	-
Start	16166	End	17551
Name	OJ990429_04.9924.C35.o1.ts	Method	TBLASTX:Soybean
Start	16106	End	16736
GI	none	Score	43
Exons	16106..16498, 16125..16253, 16314..16517, 16608..16640, 16653..16736		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63187	Strand	-
Start	16166	End	17551
Name	OJ990429_04.9924.C35.o1.tw	Method	TBLASTX:Wheat
Start	16160	End	16306
GI	none	Score	164
Exons	16160..16306, 16166..16300		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63187	Strand	-
Start	16166	End	17551
Name	OJ990429_04.9924.C35.o1.tm	Method	TBLASTX:Maize
Start	16166	End	16737
GI	none	Score	97
Exons	16166..16330, 16166..16498, 16314..16508, 16608..16736, 16617..16697, 16696..16737		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63187	Strand	-
Start	16166	End	17551
Name	OJ990429_04.9924.C35.o5.gs	Method	GENSCAN
Start	16166	End	16737
GI	none	Score	.96
Exons	16166..16495, 16611..16737		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63187	Strand	-
Start	16166	End	17551
Name	OJ990429_04.9924.C35.o1.tc	Method	TBLASTX:Cress
Start	16169	End	16453
GI	none	Score	35
Exons	16169..16453, 16170..16253, 16314..16448		

Seq. No.	30563	Seq. ID	OJ990429_04.9924.C35
Gene No.	63187	Strand	-
Start	16166	End	17551
Name	OJ990429_04.9924.C35.o4.np	Method	AAT/NAP
Start	16328	End	17551
GI	5732069	Score	328
Exons	16328..16495, 16611..16737, 17514..17551		
GI Descrip.	(AF147263) contains similarity to Pfam family PF00036 - EF hand; score=11.7, E=0.66,N=1 [Arabidopsis thaliana]		

Seq. No.	30564	Seq. ID	OJ990429_04.9924.C36
Gene No.	63188	Strand	-
Start	1	End	73

Name	OJ990429_04.9924.C36.o1.gp	Method	AAT/GAP
Start	1	End	73
GI	LIB3432-014-P1-K1-E9	Score	114
Exons	1..73		
GI Descrip.	'565652/dbj|D28135|HYMRUBSCO 2.0e-10 Hydrogenovibrio marinus gene for ribulose-bisphosphate carboxylase, complete cds'		

Seq. No.	30565	Seq. ID	OJ990429_04.9924.C38
Gene No.	63189	Strand	+
Start	1	End	618
Name	OJ990429_04.9924.C38.o1.np	Method	AAT/NAP
Start	1	End	618
GI	5902445	Score	648
Exons	1..618		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	30565	Seq. ID	OJ990429_04.9924.C38
Gene No.	63189	Strand	+
Start	1	End	618
Name	OJ990429_04.9924.C38.o1.tw	Method	TBLASTX:Wheat
Start	3	End	377
GI	none	Score	406
Exons	3..377, 14..364		

Seq. No.	30565	Seq. ID	OJ990429_04.9924.C38
Gene No.	63189	Strand	+
Start	1	End	618
Name	OJ990429_04.9924.C38.o1.gs	Method	GENSCAN
Start	87	End	443
GI	none	Score	.61
Exons	87..443		

Seq. No.	30565	Seq. ID	OJ990429_04.9924.C38
Gene No.	63189	Strand	+
Start	1	End	618
Name	OJ990429_04.9924.C38.o1.tm	Method	TBLASTX:Maize
Start	116	End	499
GI	none	Score	287
Exons	116..400, 117..401, 389..499		

Seq. No.	30565	Seq. ID	OJ990429_04.9924.C38
Gene No.	63189	Strand	+
Start	1	End	618
Name	OJ990429_04.9924.C38.o1.ts	Method	TBLASTX:Soybean
Start	162	End	386
GI	none	Score	205
Exons	162..386, 170..376		

Seq. No.	30566	Seq. ID	OJ990429_04.9924.C39
Gene No.	63190	Strand	+
Start	280	End	457
Name	OJ990429_04.9924.C39.o1.gs	Method	GENSCAN
Start	280	End	457
GI	none	Score	.54
Exons	280..457		

Seq. No.	30567	Seq. ID	OJ990409_04.9922.C1

Gene No.	63191	Strand	+
Start	1	End	559
Name	OJ990409_04.9922.C1.o1.gs	Method	GENSCAN
Start	1	End	559
GI	none	Score	.4
Exons	1..229, 501..559		

Seq. No.	30568	Seq. ID	OJ990409_04.9922.C3
Gene No.	63192	Strand	+
Start	543	End	606
Name	OJ990409_04.9922.C3.o1.gs	Method	GENSCAN
Start	543	End	606
GI	none	Score	.8
Exons	543..606		

Seq. No.	30569	Seq. ID	OJ990409_04.9922.C5
Gene No.	63193	Strand	+
Start	1	End	774
Name	OJ990409_04.9922.C5.o1.np	Method	AAT/NAP
Start	1	End	774
GI	3953478	Score	639
Exons	1..597, 698..774		
GI Descrip.	(AC002328) F22O2.23 [Arabidopsis thaliana]		

Seq. No.	30569	Seq. ID	OJ990409_04.9922.C5
Gene No.	63193	Strand	+
Start	1	End	774
Name	OJ990409_04.9922.C5.o1.tw	Method	TBLASTX:Wheat
Start	121	End	368
GI	none	Score	243
Exons	121..366, 129..368		

Seq. No.	30569	Seq. ID	OJ990409_04.9922.C5
Gene No.	63193	Strand	+
Start	1	End	774
Name	OJ990409_04.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	337	End	597
GI	none	Score	303
Exons	337..597, 337..492, 339..548, 541..591		

Seq. No.	30569	Seq. ID	OJ990409_04.9922.C5
Gene No.	63193	Strand	+
Start	1	End	774
Name	OJ990409_04.9922.C5.o1.ts	Method	TBLASTX:Soybean
Start	345	End	714
GI	5342530	Score	179
Exons	345..527, 345..494, 346..597, 697..714		
GI Descrip.	3953478 4.0e-59 (AC002328) F22O2.23 [Arabidopsis thaliana]		

Seq. No.	30569	Seq. ID	OJ990409_04.9922.C5
Gene No.	63193	Strand	+
Start	1	End	774
Name	OJ990409_04.9922.C5.o1.gs	Method	GENSCAN
Start	412	End	597
GI	none	Score	.68
Exons	412..597		

Seq. No.	30570	Seq. ID	OJ990409_04.9922.C8
Gene No.	63194	Strand	-
Start	1	End	582
Name	OJ990409_04.9922.C8.o1.np	Method	AAT/NAP
Start	1	End	582
GI	4512666	Score	291
Exons	1..170, 253..417, 550..582		
GI Descrip.	(AC006931) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	30570	Seq. ID	OJ990409_04.9922.C8
Gene No.	63194	Strand	-
Start	1	End	582
Name	OJ990409_04.9922.C8.o1.tc	Method	TBLASTX:Cress
Start	48	End	423
GI	none	Score	57
Exons	48..170, 55..180, 247..417, 253..423, 253..414		

Seq. No.	30570	Seq. ID	OJ990409_04.9922.C8
Gene No.	63194	Strand	-
Start	1	End	582
Name	OJ990409_04.9922.C8.o1.ts	Method	TBLASTX:Soybean
Start	51	End	420
GI	none	Score	66
Exons	51..167, 55..180, 253..420, 254..412, 268..417, 313..420		

Seq. No.	30570	Seq. ID	OJ990409_04.9922.C8
Gene No.	63194	Strand	-
Start	1	End	582
Name	OJ990409_04.9922.C8.o1.gs	Method	GENSCAN
Start	54	End	411
GI	none	Score	.86
Exons	54..170, 253..411		

Seq. No.	30570	Seq. ID	OJ990409_04.9922.C8
Gene No.	63194	Strand	-
Start	1	End	582
Name	OJ990409_04.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	75	End	420
GI	none	Score	169
Exons	75..170, 76..174, 76..171, 77..172, 240..410, 246..416, 251..418, 253..420		

Seq. No.	30571	Seq. ID	OJ990409_04.9922.C9
Gene No.	63195	Strand	+
Start	228	End	636
Name	OJ990409_04.9922.C9.o1.gs	Method	GENSCAN
Start	228	End	636
GI	none	Score	.7
Exons	228..369, 479..636		

Seq. No.	30572	Seq. ID	OJ990409_04.9922.C12
Gene No.	63196	Strand	-
Start	1	End	442
Name	OJ990409_04.9922.C12.o1.np	Method	AAT/NAP
Start	1	End	442
GI	1196998	Score	786
Exons	1..442		

GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi|5103202|dbj|BAA78838.1| (AP000342) transposase of Tn10 [Plasmid R100] gi|5706382|dbj|BAA83097.1| (AB026428) transposase [Methylomonas aminofaciens] gi|5738092|gb|AAD50250.1|AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi|6721110|gb|AAF26764.1|AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana]		

Seq. No.	30573	Seq. ID	OJ990409_04.9922.C13
Gene No.	63197	Strand	+
Start	1	End	618
Name	OJ990409_04.9922.C13.o1.gp	Method	AAT/GAP
Start	1	End	618
GI	455_1.R1084	Score	1212
Exons	1..618		
GI Descrip.	'399015/sp|P31691|ADT_ORYSA 0.0e+00 ADP,ATP CARRIER PROTEIN PRECURSOR (ADP/ATP TRANSLOCASE) (ADENINE NUCLEOTIDE TRANSLOCATOR) (ANT) >gi_218145_dbj_BAA02161_ (D12637) ATP/ADP translocator [Oryza sativa]'		

Seq. No.	30573	Seq. ID	OJ990409_04.9922.C13
Gene No.	63197	Strand	+
Start	1	End	618
Name	OJ990409_04.9922.C13.o1.np	Method	AAT/NAP
Start	1	End	266
GI	399015	Score	433
Exons	1..266		
GI Descrip.	ADP,ATP CARRIER PROTEIN PRECURSOR (ADP/ATP TRANSLOCASE) (ADENINE NUCLEOTIDE TRANSLOCATOR) (ANT) gi|218145|dbj|BAA02161| (D12637) ATP/ADP translocator [Oryza sativa]		

Seq. No.	30573	Seq. ID	OJ990409_04.9922.C13
Gene No.	63197	Strand	+
Start	1	End	618
Name	OJ990409_04.9922.C13.o1.tc	Method	TBLASTX:Cress
Start	2	End	270
GI	none	Score	418
Exons	2..268, 3..269, 3..269, 13..270		

Seq. No.	30573	Seq. ID	OJ990409_04.9922.C13
Gene No.	63197	Strand	+
Start	1	End	618
Name	OJ990409_04.9922.C13.o1.ts	Method	TBLASTX:Soybean
Start	2	End	273
GI	none	Score	252
Exons	2..202, 3..269, 3..272, 10..273, 63..182		

Seq. No.	30573	Seq. ID	OJ990409_04.9922.C13
Gene No.	63197	Strand	+
Start	1	End	618
Name	OJ990409_04.9922.C13.o1.tm	Method	TBLASTX:Maize
Start	3	End	379
GI	none	Score	426
Exons	3..269, 3..269, 4..270, 4..279, 5..280, 266..295, 272..295, 280..375, 282..374, 320..379, 322..378		

Seq. No.	30573	Seq. ID	OJ990409_04.9922.C13

Gene No.	63197	Strand	+
Start	1	End	618
Name	OJ990409_04.9922.C13.o1.tw	Method	TBLASTX:Wheat
Start	3	End	539
GI	none	Score	441
Exons	3..278, 3..278, 7..279, 272..298, 280..345, 340..402, 360..473, 388..438, 489..539		

Seq. No.	30574	Seq. ID	OJ990409_04.9922.C14
Gene No.	63198	Strand	+
Start	1	End	270
Name	OJ990409_04.9922.C14.o1.np	Method	AAT/NAP
Start	1	End	270
GI	1628482	Score	106
Exons	1..270		
GI Descrip.	(X97570) embryogenesis transmembrane protein [Zea mays]		

Seq. No.	30574	Seq. ID	OJ990409_04.9922.C14
Gene No.	63198	Strand	+
Start	1	End	270
Name	OJ990409_04.9922.C14.o1.gs	Method	GENSCAN
Start	54	End	262
GI	none	Score	.74
Exons	54..262		

Seq. No.	30575	Seq. ID	OJ990409_04.9922.C17
Gene No.	63199	Strand	+
Start	1	End	309
Name	OJ990409_04.9922.C17.o1.gp	Method	AAT/GAP
Start	1	End	309
GI	73393_1.R1084	Score	509
Exons	1..309		
GI Descrip.	'2443329/dbj|BAA22374| 1.0e-09 (D86122) Mei2-like protein [Arabidopsis thaliana]'		

Seq. No.	30575	Seq. ID	OJ990409_04.9922.C17
Gene No.	63199	Strand	+
Start	1	End	309
Name	OJ990409_04.9922.C17.o1.gs	Method	GENSCAN
Start	16	End	159
GI	none	Score	.98
Exons	16..159		

Seq. No.	30576	Seq. ID	OJ990409_04.9922.C19
Gene No.	63200	Strand	+
Start	508	End	2249
Name	OJ990409_04.9922.C19.o1.gs	Method	GENSCAN
Start	508	End	2249
GI	none	Score	.78
Exons	508..2249		

Seq. No.	30576	Seq. ID	OJ990409_04.9922.C19
Gene No.	63201	Strand	+
Start	5025	End	6613
Name	OJ990409_04.9922.C19.o3.gs	Method	GENSCAN
Start	5025	End	6471
GI	none	Score	.76

Exons	5025..5368, 6097..6151, 6268..6471		
Seq. No.	30576	Seq. ID	OJ990409_04.9922.C19
Gene No.	63201	Strand	+
Start	5025	End	6613
Name	OJ990409_04.9922.C19.o2.np	Method	AAT/NAP
Start	6080	End	6613
GI	4455199	Score	177
Exons	6080..6151, 6268..6475, 6587..6613		
GI Descrip.	(AL035440) putative protein [Arabidopsis thaliana]		
Seq. No.	30576	Seq. ID	OJ990409_04.9922.C19
Gene No.	63202	Strand	-
Start	2551	End	4600
Name	OJ990409_04.9922.C19.o1.tm	Method	TBLASTX:Maize
Start	753	End	1231
GI	none	Score	444
Exons	753..1106, 756..992, 760..1062, 761..1063, 1051..1140, 1051..1224, 1059..1214, 1127..1231		
Seq. No.	30576	Seq. ID	OJ990409_04.9922.C19
Gene No.	63202	Strand	-
Start	2551	End	4600
Name	OJ990409_04.9922.C19.o1.ts	Method	TBLASTX:Soybean
Start	759	End	1043
GI	none	Score	173
Exons	759..920, 759..899, 923..1003, 924..1043		
Seq. No.	30576	Seq. ID	OJ990409_04.9922.C19
Gene No.	63202	Strand	-
Start	2551	End	4600
Name	OJ990409_04.9922.C19.o2.gs	Method	GENSCAN
Start	2551	End	4600
GI	none	Score	.44
Exons	2551..2573, 3137..3171, 3324..3398, 3911..4232, 4306..4600		
Seq. No.	30576	Seq. ID	OJ990409_04.9922.C19
Gene No.	63203	Strand	
Start	5958	End	6470
Name	OJ990409_04.9922.C19.o1.tc	Method	TBLASTX:Cress
Start	5958	End	6462
GI	none	Score	50
Exons	5958..6023, 6110..6151, 6250..6456, 6265..6462		
Seq. No.	30576	Seq. ID	OJ990409_04.9922.C19
Gene No.	63203	Strand	
Start	5958	End	6470
Name	OJ990409_04.9922.C19.o2.ts	Method	TBLASTX:Soybean
Start	6107	End	6459
GI	none	Score	54
Exons	6107..6151, 6250..6384, 6264..6389, 6272..6457, 6391..6459		
Seq. No.	30576	Seq. ID	OJ990409_04.9922.C19
Gene No.	63203	Strand	
Start	5958	End	6470
Name	OJ990409_04.9922.C19.o2.tm	Method	TBLASTX:Maize
Start	6114	End	6470

GI	none	Score	49
Exons	6114..6149, 6115..6150, 6250..6462, 6265..6456, 6336..6470		

Seq. No.	30577	Seq. ID	OJ990409_04.9922.C20
Gene No.	63204	Strand	+
Start	1279	End	1584
Name	OJ990409_04.9922.C20.o1.gp	Method	AAT/GAP
Start	1279	End	1584
GI	3061148	Score	572
Exons	1279..1584		

Seq. No.	30578	Seq. ID	OJ990409_04.9922.C21
Gene No.	63205	Strand	+
Start	1	End	1872
Name	OJ990409_04.9922.C21.o1.np	Method	AAT/NAP
Start	1	End	1851
GI	6648200	Score	604
Exons	1..65, 173..239, 1186..1404, 1554..1678, 1777..1851		
GI Descrip.	(AC013483) putative RHO GDP-dissociation inhibitor 1 [Arabidopsis thaliana]		

Seq. No.	30578	Seq. ID	OJ990409_04.9922.C21
Gene No.	63205	Strand	+
Start	1	End	1872
Name	OJ990409_04.9922.C21.o2.tc	Method	TBLASTX:Cress
Start	15	End	1403
GI	none	Score	56
Exons	15..65, 170..238, 172..237, 1166..1285, 1185..1289, 1302..1403, 1319..1402		

Seq. No.	30578	Seq. ID	OJ990409_04.9922.C21
Gene No.	63205	Strand	+
Start	1	End	1872
Name	OJ990409_04.9922.C21.o1.gs	Method	GENSCAN
Start	173	End	1857
GI	none	Score	.86
Exons	173..239, 285..390, 430..499, 1186..1404, 1554..1678, 1777..1857		

Seq. No.	30578	Seq. ID	OJ990409_04.9922.C21
Gene No.	63205	Strand	+
Start	1	End	1872
Name	OJ990409_04.9922.C21.o1.tm	Method	TBLASTX:Maize
Start	199	End	1872
GI	none	Score	344
Exons	199..237, 1184..1402, 1185..1403, 1539..1673, 1543..1677, 1543..1683, 1774..1872, 1774..1854, 1776..1871		

Seq. No.	30578	Seq. ID	OJ990409_04.9922.C21
Gene No.	63205	Strand	+
Start	1	End	1872
Name	OJ990409_04.9922.C21.o1.tc	Method	TBLASTX:Cress
Start	1552	End	1851
GI	none	Score	114
Exons	1552..1683, 1553..1678, 1774..1851, 1776..1850		

Seq. No.	30579	Seq. ID	OJ990409_04.9922.C22
Gene No.	63206	Strand	+

Start	1029	End	12113
Name	OJ990409_04.9922.C22.o1.gs	Method	GENSCAN
Start	1029	End	12113
GI	none	Score	.7
Exons	1029..1115, 1224..1397, 1505..1761, 1874..2045, 2567..2635, 2715..2831, 3110..3321, 3498..3656, 3730..3929, 4481..4572, 4782..5046, 6568..6797, 8334..8451, 11062..11101, 11241..11261, 11853..11913, 11943..12113		

Seq. No.	30579	Seq. ID	OJ990409_04.9922.C22
Gene No.	63206	Strand	+
Start	1029	End	12113
Name	OJ990409_04.9922.C22.o1.np	Method	AAT/NAP
Start	1926	End	4852
GI	1575595	Score	1780
Exons	1926..2045, 2433..2471, 2567..2635, 2715..2831, 3110..3321, 3498..3656, 3730..3929, 4020..4186, 4266..4363, 4481..4572, 4782..4852		
GI Descrip.	(U67717) fimbrin/plastin-like [Triticum aestivum]		

Seq. No.	30579	Seq. ID	OJ990409_04.9922.C22
Gene No.	63206	Strand	+
Start	1029	End	12113
Name	OJ990409_04.9922.C22.o1.gp	Method	AAT/GAP
Start	1982	End	3523
GI	uC-osflcyp120c07b1	Score	946
Exons	1982..2045, 2433..2471, 2567..2635, 2715..2831, 3110..3321, 3498..3523		
GI Descrip.	'1575595 9.0e-89 (U67717) fimbrin/plastin-like [Triticum aestivum]'		

Seq. No.	30579	Seq. ID	OJ990409_04.9922.C22
Gene No.	63207	Strand	-
Start	5134	End	5471
Name	OJ990409_04.9922.C22.o2.tm	Method	TBLASTX:Maize
Start	1025	End	1406
GI	none	Score	145
Exons	1025..1114, 1026..1115, 1221..1250, 1223..1267, 1250..1399, 1251..1406		

Seq. No.	30579	Seq. ID	OJ990409_04.9922.C22
Gene No.	63207	Strand	-
Start	5134	End	5471
Name	OJ990409_04.9922.C22.o1.tc	Method	TBLASTX:Cress
Start	1026	End	4841
GI	none	Score	119
Exons	1026..1121, 1028..1099, 1570..1770, 1616..1759, 1865..2044, 1866..2045, 1866..2045, 2436..2480, 2564..2635, 2564..2647, 2708..2833, 2712..2831, 3092..3322, 3093..3323, 3193..3324, 3194..3325, 3492..3524, 3493..3555, 3547..3657, 3553..3669, 3567..3659, 3731..3928, 3731..3922, 3760..3927, 4019..4096, 4022..4186, 4090..4188, 4263..4337, 4265..4321, 4314..4358, 4456..4575, 4773..4841		

Seq. No.	30579	Seq. ID	OJ990409_04.9922.C22
Gene No.	63207	Strand	-
Start	5134	End	5471

Name	OJ990409_04.9922.C22.o3.ts	Method	TBLASTX:Soybean
Start	1341	End	1776
GI	none	Score	65
Exons	1341..1406, 1517..1759, 1579..1776		

Seq. No.	30579	Seq. ID	OJ990409_04.9922.C22
Gene No.	63207	Strand	-
Start	5134	End	5471
Name	OJ990409_04.9922.C22.o3.tm	Method	TBLASTX:Maize
Start	1576	End	1967
GI	none	Score	147
Exons	1576..1776, 1616..1759, 1866..1967, 1874..1963, 1875..1967		

Seq. No.	30579	Seq. ID	OJ990409_04.9922.C22
Gene No.	63207	Strand	-
Start	5134	End	5471
Name	OJ990409_04.9922.C22.o2.ts	Method	TBLASTX:Soybean
Start	1865	End	3612
GI	none	Score	244
Exons	1865..2044, 1872..2045, 2430..2480, 2432..2470, 2564..2635, 2564..2650, 2708..2833, 2712..2831, 3092..3322, 3096..3350, 3103..3312, 3107..3322, 3493..3555, 3552..3611, 3553..3612		

Seq. No.	30579	Seq. ID	OJ990409_04.9922.C22
Gene No.	63207	Strand	-
Start	5134	End	5471
Name	OJ990409_04.9922.C22.o1.tm	Method	TBLASTX:Maize
Start	2606	End	5241
GI	none	Score	49
Exons	2606..2635, 2607..2636, 2608..2637, 2708..2833, 2712..2831, 2714..2833, 3092..3322, 3103..3324, 3107..3325, 3491..3649, 3492..3650, 3492..3662, 3493..3669, 3688..3747, 3728..3928, 3731..3928, 3766..3933, 4019..4186, 4019..4186, 4021..4188, 4263..4355, 4263..4361, 4265..4357, 4291..4359, 4480..4575, 4480..4575, 4482..4577, 4773..4841, 4780..4896, 4816..4884, 4881..5090, 4959..5057, 5161..5241, 5205..5240		

Seq. No.	30579	Seq. ID	OJ990409_04.9922.C22
Gene No.	63207	Strand	-
Start	5134	End	5471
Name	OJ990409_04.9922.C22.o1.ts	Method	TBLASTX:Soybean
Start	3613	End	4202
GI	none	Score	66
Exons	3613..3669, 3621..3662, 3717..3920, 3729..3902, 3731..3928, 3760..3921, 4014..4058, 4019..4096, 4019..4099, 4022..4186, 4052..4186, 4090..4188, 4095..4187, 4107..4202		

Seq. No.	30579	Seq. ID	OJ990409_04.9922.C22
Gene No.	63207	Strand	-
Start	5134	End	5471
Name	OJ990409_04.9922.C22.o2.gp	Method	AAT/GAP
Start	5134	End	5471
GI	none	Score	485
Exons	5134..5471		

Seq. No.	30580	Seq. ID	OJ990409_04.9922.C23
Gene No.	63208	Strand	+

Start	288	End	1740
Name	OJ990409_04.9922.C23.o1.gs	Method	GENSCAN
Start	288	End	1740
GI	none	Score	.75
Exons	288..432, 1685..1740		

Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63209	Strand	+
Start	52	End	19926
Name	OJ990409_04.9922.C24.o1.gs	Method	GENSCAN
Start	52	End	8637
GI	none	Score	.73
Exons	52..210, 2136..2567, 2699..2911, 3049..3377, 4288..4391, 4876..5526, 6452..6492, 6676..6738, 8530..8637		

Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63209	Strand	+
Start	52	End	19926
Name	OJ990409_04.9922.C24.o3.np	Method	AAT/NAP
Start	636	End	19926
GI	6728878	Score	320
Exons	636..755, 5479..5532, 10539..10592, 13989..14063, 14262..14477, 14506..14619, 14751..14925, 17086..17341, 17374..17473, 17560..17628, 17830..17959, 19902..19926		
GI Descrip.	(AC008113) F12A21.8 [Arabidopsis thaliana]		

Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63209	Strand	+
Start	52	End	19926
Name	OJ990409_04.9922.C24.o1.gp	Method	AAT/GAP
Start	1655	End	2368
GI	3761509	Score	780
Exons	1655..1841, 2136..2368		

Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63209	Strand	+
Start	52	End	19926
Name	OJ990409_04.9922.C24.o1.np	Method	AAT/NAP
Start	1767	End	3417
GI	6002712	Score	578
Exons	1767..1841, 2136..2567, 2711..2965, 3049..3417		
GI Descrip.	(AF133053) S-adenosyl-L-methionine:salicylic acid carboxyl methyltransferase [Clarkia breweri]		

Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63209	Strand	+
Start	52	End	19926
Name	OJ990409_04.9922.C24.o2.gp	Method	AAT/GAP
Start	3147	End	3726
GI	none	Score	1064
Exons	3147..3726		

Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63209	Strand	+
Start	52	End	19926
Name	OJ990409_04.9922.C24.o2.np	Method	AAT/NAP
Start	4985	End	5401

GI	3157923	Score	223
Exons	4985..5401		
GI Descrip.	(AC002131) F12F1.7 [Arabidopsis thaliana]		

Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63209	Strand	+
Start	52	End	19926
Name	OJ990409_04.9922.C24.o2.gs	Method	GENSCAN
Start	9117	End	18280
GI	none	Score	.81
Exons	9117..9249, 10634..10719, 10743..11050, 11273..11358, 12536..12620, 13757..14063, 14262..14420, 14503..14619, 14751..14902, 16221..16315, 16404..16601, 16881..17310, 17389..17473, 17560..17628, 17830..18009, 18067..18079, 18114..18280		

Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63209	Strand	+
Start	52	End	19926
Name	OJ990409_04.9922.C24.o4.np	Method	AAT/NAP
Start	13646	End	18598
GI	5816998	Score	1101
Exons	13646..14063, 14503..14619, 14748..14902, 16221..16339, 16437..16769, 16820..16987, 17057..17310, 17389..17473, 17560..17628, 17830..18079, 18415..18598		
GI Descrip.	(AL110123) putative protein [Arabidopsis thaliana]		

Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63209	Strand	+
Start	52	End	19926
Name	OJ990409_04.9922.C24.o4.gp	Method	AAT/GAP
Start	16494	End	16941
GI	none	Score	780
Exons	16494..16941		

Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63209	Strand	+
Start	52	End	19926
Name	OJ990409_04.9922.C24.o5.gp	Method	AAT/GAP
Start	17931	End	18620
GI	73393_1.R1084	Score	1025
Exons	17931..18009, 18152..18620		
GI Descrip.	'2443329/dbj|BAA22374| 1.0e-09 (D86122) Mei2-like protein [Arabidopsis thaliana]'		

Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63210	Strand	-
Start	5425	End	5657
Name	OJ990409_04.9922.C24.o3.ts	Method	TBLASTX:Soybean
Start	1767	End	2522
GI	none	Score	70
Exons	1767..1841, 2231..2332, 2235..2276, 2352..2522, 2363..2512		

Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63210	Strand	-
Start	5425	End	5657
Name	OJ990409_04.9922.C24.o6.tm	Method	TBLASTX:Maize

Start	1767	End	2567
GI	none	Score	99
Exons	1767..1841, 2231..2296, 2235..2276, 2355..2429, 2360..2440, 2459..2563, 2460..2567		

Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63210	Strand	-
Start	5425	End	5657
Name	OJ990409_04.9922.C24.o4.ts	Method	TBLASTX:Soybean
Start	2728	End	3117
GI	none	Score	161
Exons	2728..2883, 2729..2965, 3046..3117		

Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63210	Strand	-
Start	5425	End	5657
Name	OJ990409_04.9922.C24.o5.tm	Method	TBLASTX:Maize
Start	3051	End	3405
GI	none	Score	152
Exons	3051..3152, 3055..3183, 3055..3216, 3158..3184, 3229..3405, 3237..3398		

Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63210	Strand	-
Start	5425	End	5657
Name	OJ990409_04.9922.C24.o3.gp	Method	AAT/GAP
Start	5425	End	5657
GI	427535	Score	372
Exons	5425..5657		

Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63211	Strand	
Start	13613	End	18042
Name	OJ990409_04.9922.C24.o1.tc	Method	TBLASTX:Cress
Start	13613	End	18017
GI	none	Score	57
Exons	13613..13747, 13767..13877, 13905..14063, 13955..14062, 14250..14420, 14256..14426, 14259..14420, 14493..14618, 14503..14625, 14748..14897, 14786..14893, 17126..17332, 17227..17313, 17267..17314, 17357..17473, 17388..17471, 17390..17473, 17557..17628, 17559..17621, 17808..18002, 17823..17861, 17824..18012, 17827..18009, 17898..18017		

Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63211	Strand	
Start	13613	End	18042
Name	OJ990409_04.9922.C24.o7.tm	Method	TBLASTX:Maize
Start	13934	End	14077
GI	none	Score	88
Exons	13934..14029, 13934..14077, 13935..14063		

Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63211	Strand	
Start	13613	End	18042
Name	OJ990409_04.9922.C24.o1.tm	Method	TBLASTX:Maize
Start	14253	End	16447
GI	none	Score	75

Exons	14253..14417, 14502..14618, 14502..14624, 14503..14625, 14748..14900, 14750..14905, 14750..14902, 16219..16314, 16221..16316, 16222..16314, 16401..16445, 16403..16447, 16406..16447		
Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63211	Strand	
Start	13613	End	18042
Name	OJ990409_04.9922.C24.o1.ts	Method	TBLASTX:Soybean
Start	14318	End	16492
GI	none	Score	154
Exons	14318..14422, 14319..14420, 14493..14624, 14503..14625, 14748..14900, 14750..14905, 14750..14902, 16219..16311, 16403..16492		
Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63211	Strand	
Start	13613	End	18042
Name	OJ990409_04.9922.C24.o2.tm	Method	TBLASTX:Maize
Start	16571	End	16816
GI	none	Score	342
Exons	16571..16816, 16573..16806, 16574..16816		
Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63211	Strand	
Start	13613	End	18042
Name	OJ990409_04.9922.C24.o2.ts	Method	TBLASTX:Soybean
Start	16870	End	18042
GI	none	Score	90
Exons	16870..16959, 16871..16954, 16987..17148, 16997..17332, 17227..17313, 17357..17473, 17390..17473, 17557..17628, 17559..17612, 17827..18042, 17829..18002, 17903..18016		
Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63211	Strand	
Start	13613	End	18042
Name	OJ990409_04.9922.C24.o3.tm	Method	TBLASTX:Maize
Start	17057	End	17281
GI	none	Score	312
Exons	17057..17281, 17062..17280		
Seq. No.	30581	Seq. ID	OJ990409_04.9922.C24
Gene No.	63211	Strand	
Start	13613	End	18042
Name	OJ990409_04.9922.C24.o4.tm	Method	TBLASTX:Maize
Start	17281	End	18023
GI	none	Score	63
Exons	17281..17313, 17282..17332, 17357..17473, 17386..17472, 17390..17473, 17557..17628, 17559..17624, 17827..18009, 17827..18018, 17835..18023		
Seq. No.	30582	Seq. ID	OJ990409_04.9922.C25
Gene No.	63212	Strand	+
Start	96	End	218
Name	OJ990409_04.9922.C25.o1.gs	Method	GENSCAN
Start	96	End	218
GI	none	Score	.62

Exons	96..218		

Seq. No.	30583	Seq. ID	OJ990409_04.9922.C28
Gene No.	63213	Strand	+
Start	383	End	3615
Name	OJ990409_04.9922.C28.o1.gs	Method	GENSCAN
Start	383	End	3615
GI	none	Score	.8
Exons	383..634, 1262..1353, 1436..1541, 1885..1971, 2101..2434, 2448..2515, 3343..3615		

Seq. No.	30583	Seq. ID	OJ990409_04.9922.C28
Gene No.	63213	Strand	+
Start	383	End	3615
Name	OJ990409_04.9922.C28.o1.gp	Method	AAT/GAP
Start	1257	End	1488
GI	4968575	Score	235
Exons	1257..1353, 1436..1488		
GI Descrip.	3953471 3.0e-29 (AC002328) F22O2.16 [Arabidopsis thaliana]		

Seq. No.	30583	Seq. ID	OJ990409_04.9922.C28
Gene No.	63213	Strand	+
Start	383	End	3615
Name	OJ990409_04.9922.C28.o2.np	Method	AAT/NAP
Start	1262	End	2511
GI	3953471	Score	828
Exons	1262..1353, 1436..1541, 1885..1971, 2101..2511		
GI Descrip.	(AC002328) F22O2.16 [Arabidopsis thaliana]		

Seq. No.	30583	Seq. ID	OJ990409_04.9922.C28
Gene No.	63213	Strand	+
Start	383	End	3615
Name	OJ990409_04.9922.C28.o2.gp	Method	AAT/GAP
Start	1480	End	2200
GI	2797334	Score	422
Exons	1480..1541, 1885..1971, 2101..2200		
GI Descrip.	3953471 2.0e-28 (AC002328) F22O2.16 [Arabidopsis thaliana]		

Seq. No.	30583	Seq. ID	OJ990409_04.9922.C28
Gene No.	63214	Strand	-
Start	1076	End	2681
Name	OJ990409_04.9922.C28.o1.np	Method	AAT/NAP
Start	1076	End	2381
GI	6815099	Score	78
Exons	1076..1208, 2303..2381		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	30583	Seq. ID	OJ990409_04.9922.C28
Gene No.	63214	Strand	-
Start	1076	End	2681
Name	OJ990409_04.9922.C28.o1.tm	Method	TBLASTX:Maize
Start	1259	End	2681
GI	none	Score	153
Exons	1259..1351, 1261..1353, 1427..1540, 1434..1541, 1434..1556, 1435..1542, 1879..1971, 1893..1994, 1893..1970, 1895..1975, 2092..2517, 2093..2518, 2098..2508, 2567..2596, 2627..2680, 2628..2672, 2628..2681		

Seq. No.	30583	Seq. ID	OJ990409_04.9922.C28
Gene No.	63214	Strand	-
Start	1076	End	2681
Name	OJ990409_04.9922.C28.o2.tc	Method	TBLASTX:Cress
Start	1259	End	1980
GI	none	Score	124
Exons	1259..1345, 1259..1351, 1261..1353, 1427..1540, 1431..1541, 1431..1556, 1433..1552, 1849..1980, 1858..1971, 1896..1976		

Seq. No.	30583	Seq. ID	OJ990409_04.9922.C28
Gene No.	63214	Strand	-
Start	1076	End	2681
Name	OJ990409_04.9922.C28.o2.ts	Method	TBLASTX:Soybean
Start	1259	End	1971
GI	none	Score	117
Exons	1259..1345, 1259..1336, 1267..1338, 1430..1540, 1431..1541, 1435..1542, 1879..1971, 1887..1970		

Seq. No.	30583	Seq. ID	OJ990409_04.9922.C28
Gene No.	63214	Strand	-
Start	1076	End	2681
Name	OJ990409_04.9922.C28.o2.tw	Method	TBLASTX:Wheat
Start	1497	End	2262
GI	none	Score	67
Exons	1497..1556, 1503..1541, 1879..1971, 1884..1994, 1887..1970, 2098..2262, 2100..2261		

Seq. No.	30583	Seq. ID	OJ990409_04.9922.C28
Gene No.	63214	Strand	-
Start	1076	End	2681
Name	OJ990409_04.9922.C28.o1.tc	Method	TBLASTX:Cress
Start	2128	End	2487
GI	none	Score	142
Exons	2128..2214, 2133..2264, 2214..2333, 2215..2487, 2240..2473, 2388..2480		

Seq. No.	30583	Seq. ID	OJ990409_04.9922.C28
Gene No.	63214	Strand	-
Start	1076	End	2681
Name	OJ990409_04.9922.C28.o1.ts	Method	TBLASTX:Soybean
Start	2145	End	2508
GI	none	Score	562
Exons	2145..2336, 2146..2508, 2146..2502, 2391..2507		

Seq. No.	30583	Seq. ID	OJ990409_04.9922.C28
Gene No.	63214	Strand	-
Start	1076	End	2681
Name	OJ990409_04.9922.C28.o1.tw	Method	TBLASTX:Wheat
Start	2263	End	2521
GI	none	Score	392
Exons	2263..2517, 2265..2516, 2266..2520, 2267..2521		

Seq. No.	30584	Seq. ID	OJ990409_04.9922.C29
Gene No.	63215	Strand	+
Start	1	End	2105
Name	OJ990409_04.9922.C29.o1.np	Method	AAT/NAP

Start	1	End	867
GI	4100646	Score	207
Exons	1..158, 646..867		
GI Descrip.	(AF001948) putative ubiquitin conjugating enzyme [Pinus resinosa]		

Seq. No.	30584	Seq. ID	OJ990409_04.9922.C29
Gene No.	63215	Strand	+
Start	1	End	2105
Name	OJ990409_04.9922.C29.o1.gs	Method	GENSCAN
Start	105	End	2105
GI	none	Score	.85
Exons	105..158, 646..1012, 1620..1724, 1906..2105		

Seq. No.	30584	Seq. ID	OJ990409_04.9922.C29
Gene No.	63216	Strand	-
Start	2961	End	3210
Name	OJ990409_04.9922.C29.o1.gp	Method	AAT/GAP
Start	2961	End	3210
GI	2310968	Score	402
Exons	2961..3210		

Seq. No.	30584	Seq. ID	OJ990409_04.9922.C29
Gene No.	63217	Strand	-
Start	5853	End	6247
Name	OJ990409_04.9922.C29.o2.gp	Method	AAT/GAP
Start	5853	End	6247
GI	2310968	Score	695
Exons	5853..6247		

Seq. No.	30585	Seq. ID	OJ990409_04.9922.C30
Gene No.	63218	Strand	+
Start	290	End	1881
Name	OJ990409_04.9922.C30.o1.gs	Method	GENSCAN
Start	290	End	1881
GI	none	Score	.45
Exons	290..335, 829..1881		

Seq. No.	30585	Seq. ID	OJ990409_04.9922.C30
Gene No.	63219	Strand	-
Start	1	End	162
Name	OJ990409_04.9922.C30.o1.gp	Method	AAT/GAP
Start	1	End	162
GI	2310968	Score	292
Exons	1..162		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63220	Strand	+
Start	232	End	2474
Name	OJ990409_04.9922.C31.o1.gs	Method	GENSCAN
Start	232	End	2474
GI	none	Score	.7
Exons	232..319, 656..768, 845..1024, 2367..2474		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63221	Strand	+
Start	2908	End	8993

Name	OJ990409_04.9922.C31.o2.gs	Method	GENSCAN
Start	2908	End	4467
GI	none	Score	.52
Exons	2908..3228, 3283..3518, 3605..3716, 4420..4467		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63221	Strand	+
Start	2908	End	8993
Name	OJ990409_04.9922.C31.o2.np	Method	AAT/NAP
Start	3010	End	6407
GI	464979	Score	353
Exons	3010..3228, 6183..6407		
GI Descrip.	UBIQUITIN-CONJUGATING ENZYME E2-17 KD (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) gi|3878673|emb|CAA92745.1| (Z68337) similar to ubiquitin-conjugating enzyme E2-17 KD; cDNA EST EMBL:D70429 comes from this gene; cDNA EST CEMSE48F comes from this gene; cDNA EST EMBL:T00827 comes from this gene; cDNA EST EMBL:T01271 comes from this gen...		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63221	Strand	+
Start	2908	End	8993
Name	OJ990409_04.9922.C31.o3.gs	Method	GENSCAN
Start	5788	End	8993
GI	none	Score	.59
Exons	5788..6069, 6183..6600, 8205..8309, 8755..8993		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63222	Strand	+
Start	17126	End	18270
Name	OJ990409_04.9922.C31.o5.gs	Method	GENSCAN
Start	17126	End	18270
GI	none	Score	.81
Exons	17126..17128, 17366..17522, 18026..18270		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63223	Strand	+
Start	19317	End	28273
Name	OJ990409_04.9922.C31.o6.gs	Method	GENSCAN
Start	19317	End	28273
GI	none	Score	.56
Exons	19317..19336, 20678..20782, 20832..20913, 21731..22501, 22937..22967, 23196..23339, 23636..23830, 25126..25244, 25370..25598, 25876..26071, 27433..27496, 28148..28273		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63223	Strand	+
Start	19317	End	28273
Name	OJ990409_04.9922.C31.o4.np	Method	AAT/NAP
Start	22058	End	26071
GI	3953478	Score	2121
Exons	22058..22161, 22223..22501, 22937..23339, 23636..23830, 24197..24651, 24752..24856, 25017..25244, 25370..25625, 25833..26071		
GI Descrip.	(AC002328) F22O2.23 [Arabidopsis thaliana]		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31

Gene No.	63224	Strand	+
Start	29627	End	32472
Name	OJ990409_04.9922.C31.o7.gs	Method	GENSCAN
Start	29627	End	32466
GI	none	Score	.74
Exons	29627..29812, 30094..30176, 31855..31983, 32035..32466		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63224	Strand	+
Start	29627	End	32472
Name	OJ990409_04.9922.C31.o5.np	Method	AAT/NAP
Start	30815	End	32472
GI	2541876	Score	153
Exons	30815..30860, 32236..32472		
GI Descrip.	(D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63224	Strand	+
Start	29627	End	32472
Name	OJ990409_04.9922.C31.o3.gp	Method	AAT/GAP
Start	31788	End	32189
GI	427617	Score	793
Exons	31788..32189		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63225	Strand	+
Start	32392	End	32472
Name	OJ990409_04.9922.C31.o4.gp	Method	AAT/GAP
Start	32392	End	32472
GI	LIB3434-041-P1-K1-D5	Score	128
Exons	32392..32472		
GI Descrip.	'3953471 2.0e-28 (AC002328) F22O2.16 [Arabidopsis thaliana]'		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o7.tm	Method	TBLASTX:Maize
Start	887	End	1579
GI	none	Score	47
Exons	887..922, 974..1318, 1385..1456, 1484..1579		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o6.ts	Method	TBLASTX:Soybean
Start	1130	End	1744
GI	none	Score	202
Exons	1130..1573, 1667..1744		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o5.tc	Method	TBLASTX:Cress
Start	1334	End	1675
GI	none	Score	156
Exons	1334..1579, 1595..1675		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o1.tw	Method	TBLASTX:Wheat
Start	3013	End	6072
GI	none	Score	309
Exons	3013..3231, 3057..3125, 3165..3233, 3335..3364, 5853..6014, 5875..6072		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o4.ts	Method	TBLASTX:Soybean
Start	3013	End	6404
GI	none	Score	224
Exons	3013..3231, 3335..3403, 5847..6008, 5875..6072, 6180..6320, 6182..6319, 6381..6404		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o2.tc	Method	TBLASTX:Cress
Start	3097	End	6404
GI	none	Score	163
Exons	3097..3231, 3335..3403, 5853..5924, 5935..6072, 5937..6008, 6180..6404, 6182..6319		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o5.tm	Method	TBLASTX:Maize
Start	3097	End	6404
GI	none	Score	150
Exons	3097..3231, 3335..3403, 5871..6008, 5935..6072, 6180..6404, 6182..6319		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o1.gp	Method	AAT/GAP
Start	9799	End	10511
GI	none	Score	1328
Exons	9799..10511		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o2.tm	Method	TBLASTX:Maize
Start	10359	End	10616
GI	none	Score	307
Exons	10359..10616, 10361..10615		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o3.np	Method	AAT/NAP

Start	10361	End	12819
GI	2541876	Score	651
Exons	10361..11541, 12795..12819		
GI Descrip.	(D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o4.tc	Method	TBLASTX:Cress
Start	10361	End	10726
GI	none	Score	68
Exons	10361..10456, 10362..10463, 10466..10576, 10595..10726, 10596..10721		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o1.ts	Method	TBLASTX:Soybean
Start	10362	End	32470
GI	none	Score	68
Exons	10362..10463, 10364..10447, 10466..10573, 10502..10549, 10595..10888, 10599..10787, 10898..11041, 10902..11027, 10943..11029, 11063..11146, 11064..11111, 11135..11410, 11137..11256, 11256..11411, 32234..32377, 32390..32470		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o1.tm	Method	TBLASTX:Maize
Start	10847	End	32470
GI	none	Score	629
Exons	10847..11410, 10902..11414, 11459..11620, 11472..11618, 14641..14706, 14643..14702, 14712..14759, 32075..32146, 32237..32377, 32390..32470		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o1.tc	Method	TBLASTX:Cress
Start	10991	End	32470
GI	none	Score	92
Exons	10991..11131, 11159..11266, 11274..11396, 11276..11395, 32257..32364, 32258..32377, 32390..32470		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o3.ts	Method	TBLASTX:Soybean
Start	22406	End	23217
GI	none	Score	67
Exons	22406..22504, 22943..23215, 22949..23197, 23128..23217		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o4.tm	Method	TBLASTX:Maize

Start	23602	End	23827
GI	none	Score	38
Exons	23602..23634, 23634..23825, 23634..23825, 23635..23826, 23765..23827		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o5.ts	Method	TBLASTX:Soybean
Start	23620	End	24303
GI	none	Score	277
Exons	23620..23772, 23626..23829, 23631..23828, 24190..24303, 24192..24263		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o2.tw	Method	TBLASTX:Wheat
Start	23661	End	24422
GI	none	Score	164
Exons	23661..23804, 23662..23805, 24175..24420, 24183..24422		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o3.tm	Method	TBLASTX:Maize
Start	24391	End	24823
GI	none	Score	296
Exons	24391..24651, 24393..24602, 24595..24645, 24751..24822, 24752..24823		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o2.ts	Method	TBLASTX:Soybean
Start	24399	End	25121
GI	5342530	Score	140
Exons	24399..24581, 24399..24548, 24400..24651, 24751..24858, 24754..24855, 24755..24886, 24755..24877, 25016..25069, 25017..25121		
GI Descrip.	3953478 4.0e-59 (AC002328) F22O2.23 [Arabidopsis thaliana]		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o6.tm	Method	TBLASTX:Maize
Start	25020	End	26024
GI	none	Score	127
Exons	25020..25205, 25170..25259, 25201..25245, 25363..25515, 25366..25539, 25367..25537, 25425..25556, 25452..25547, 25829..26023, 25842..26024		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o3.tc	Method	TBLASTX:Cress
Start	25367	End	26072

GI	none	Score	133
Exons	25367..25528, 25381..25521, 25830..26072, 25889..25999		

Seq. No.	30586	Seq. ID	OJ990409_04.9922.C31
Gene No.	63226	Strand	-
Start	9799	End	32470
Name	OJ990409_04.9922.C31.o7.ts	Method	TBLASTX:Soybean
Start	25889	End	26057
GI	none	Score	190
Exons	25889..26050, 25890..26057		

Seq. No.	30587	Seq. ID	OJ990409_04.9922.C32
Gene No.	63227	Strand	+
Start	1	End	437
Name	OJ990409_04.9922.C32.o1.gp	Method	AAT/GAP
Start	1	End	309
GI	LIB3434-057-P1-K1-A4	Score	578
Exons	1..309		
GI Descrip.	'2541876/dbj|BAA22813| 2.0e-19 (D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]'		

Seq. No.	30587	Seq. ID	OJ990409_04.9922.C32
Gene No.	63227	Strand	+
Start	1	End	437
Name	OJ990409_04.9922.C32.o1.np	Method	AAT/NAP
Start	1	End	437
GI	2541876	Score	352
Exons	1..437		
GI Descrip.	(D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]		

Seq. No.	30587	Seq. ID	OJ990409_04.9922.C32
Gene No.	63227	Strand	+
Start	1	End	437
Name	OJ990409_04.9922.C32.o1.gs	Method	GENSCAN
Start	156	End	437
GI	none	Score	.86
Exons	156..437		

Seq. No.	30587	Seq. ID	OJ990409_04.9922.C32
Gene No.	63228	Strand	+
Start	367	End	729
Name	OJ990409_04.9922.C32.o2.gp	Method	AAT/GAP
Start	367	End	729
GI	none	Score	688
Exons	367..729		

Seq. No.	30587	Seq. ID	OJ990409_04.9922.C32
Gene No.	63229	Strand	-
Start	2437	End	2667
Name	OJ990409_04.9922.C32.o1.ts	Method	TBLASTX:Soybean
Start	30	End	2667
GI	none	Score	240
Exons	30..302, 71..295, 308..427, 309..419, 2473..2559, 2569..2667		

Seq. No.	30587	Seq. ID	OJ990409_04.9922.C32
Gene No.	63229	Strand	-

Start	2437	End	2667
Name	OJ990409_04.9922.C32.o1.tm	Method	TBLASTX:Maize
Start	33	End	2667
GI	none	Score	188
Exons	33..176, 38..184, 146..184, 146..436, 167..238, 186..419, 2467..2589, 2473..2667, 2474..2662		

Seq. No.	30587	Seq. ID	OJ990409_04.9922.C32
Gene No.	63229	Strand	-
Start	2437	End	2667
Name	OJ990409_04.9922.C32.o1.tc	Method	TBLASTX:Cress
Start	60	End	2667
GI	none	Score	230
Exons	60..302, 60..293, 71..295, 309..419, 2467..2559, 2471..2557, 2572..2667, 2573..2644		

Seq. No.	30587	Seq. ID	OJ990409_04.9922.C32
Gene No.	63229	Strand	-
Start	2437	End	2667
Name	OJ990409_04.9922.C32.o2.gs	Method	GENSCAN
Start	2437	End	2595
GI	none	Score	.94
Exons	2437..2595		

Seq. No.	30588	Seq. ID	OJ990409_04.9922.C33
Gene No.	63230	Strand	+
Start	89	End	770
Name	OJ990409_04.9922.C33.o1.gs	Method	GENSCAN
Start	89	End	770
GI	none	Score	.94
Exons	89..130, 621..770		

Seq. No.	30588	Seq. ID	OJ990409_04.9922.C33
Gene No.	63231	Strand	+
Start	3860	End	4395
Name	OJ990409_04.9922.C33.o1.gp	Method	AAT/GAP
Start	3860	End	4395
GI	none	Score	1031
Exons	3860..4395		

Seq. No.	30588	Seq. ID	OJ990409_04.9922.C33
Gene No.	63232	Strand	-
Start	1998	End	10353
Name	OJ990409_04.9922.C33.o2.gs	Method	GENSCAN
Start	1998	End	10142
GI	none	Score	.89
Exons	1998..3187, 4140..4415, 4768..5016, 5271..5370, 6641..6968, 7075..7264, 8002..8203, 8390..8538, 8711..8798, 8886..9197, 9308..9463, 9885..10142		

Seq. No.	30588	Seq. ID	OJ990409_04.9922.C33
Gene No.	63232	Strand	-
Start	1998	End	10353
Name	OJ990409_04.9922.C33.o1.np	Method	AAT/NAP
Start	2133	End	3822
GI	3157929	Score	257
Exons	2133..2846, 3796..3822		

GI Descrip.	(AC002131) Contains similarity to hypothetical protein gb|Z97336 from A. thaliana. [Arabidopsis thaliana]		
Seq. No.	30588	Seq. ID	OJ990409_04.9922.C33
Gene No.	63232	Strand	-
Start	1998	End	10353
Name	OJ990409_04.9922.C33.o4.tm	Method	TBLASTX:Maize
Start	2133	End	2522
GI	none	Score	91
Exons	2133..2366, 2134..2364, 2406..2522		
Seq. No.	30588	Seq. ID	OJ990409_04.9922.C33
Gene No.	63232	Strand	-
Start	1998	End	10353
Name	OJ990409_04.9922.C33.o2.ts	Method	TBLASTX:Soybean
Start	2133	End	2519
GI	none	Score	64
Exons	2133..2366, 2143..2202, 2406..2519		
Seq. No.	30588	Seq. ID	OJ990409_04.9922.C33
Gene No.	63232	Strand	-
Start	1998	End	10353
Name	OJ990409_04.9922.C33.o3.tc	Method	TBLASTX:Cress
Start	2133	End	2498
GI	none	Score	44
Exons	2133..2498, 2149..2199, 2275..2481		
Seq. No.	30588	Seq. ID	OJ990409_04.9922.C33
Gene No.	63232	Strand	-
Start	1998	End	10353
Name	OJ990409_04.9922.C33.o3.tm	Method	TBLASTX:Maize
Start	4102	End	5385
GI	none	Score	45
Exons	4102..4170, 4111..4170, 4193..4309, 4195..4362, 4196..4342, 4362..4415, 4366..4416, 4764..4877, 4768..4830, 4769..4879, 4770..4877, 4956..5018, 4958..5047, 4959..5018, 5266..5385, 5281..5376		
Seq. No.	30588	Seq. ID	OJ990409_04.9922.C33
Gene No.	63232	Strand	-
Start	1998	End	10353
Name	OJ990409_04.9922.C33.o3.ts	Method	TBLASTX:Soybean
Start	4123	End	6881
GI	none	Score	108
Exons	4123..4317, 4369..4404, 4763..4879, 4767..4877, 4958..5047, 4959..5018, 5272..5385, 5284..5397, 6641..6781, 6788..6859, 6789..6881		
Seq. No.	30588	Seq. ID	OJ990409_04.9922.C33
Gene No.	63232	Strand	-
Start	1998	End	10353
Name	OJ990409_04.9922.C33.o2.np	Method	AAT/NAP
Start	4144	End	6880
GI	4587597	Score	550
Exons	4144..4438, 4713..4874, 4959..5016, 5271..5370, 6641..6880		
GI Descrip.	(AC006951) putative protein phosphatase [Arabidopsis thaliana]		

Seq. No.	30588	Seq. ID	OJ990409_04.9922.C33
Gene No.	63232	Strand	-
Start	1998	End	10353
Name	OJ990409_04.9922.C33.o4.tc	Method	TBLASTX:Cress
Start	5305	End	6881
GI	none	Score	37
Exons	5305..5379, 6641..6745, 6666..6692, 6791..6859, 6795..6881		

Seq. No.	30588	Seq. ID	OJ990409_04.9922.C33
Gene No.	63232	Strand	-
Start	1998	End	10353
Name	OJ990409_04.9922.C33.o2.tm	Method	TBLASTX:Maize
Start	6633	End	6881
GI	none	Score	83
Exons	6633..6692, 6635..6763, 6767..6859, 6771..6881		

Seq. No.	30588	Seq. ID	OJ990409_04.9922.C33
Gene No.	63232	Strand	-
Start	1998	End	10353
Name	OJ990409_04.9922.C33.o2.gp	Method	AAT/GAP
Start	6874	End	7260
GI	none	Score	758
Exons	6874..7260		

Seq. No.	30588	Seq. ID	OJ990409_04.9922.C33
Gene No.	63232	Strand	-
Start	1998	End	10353
Name	OJ990409_04.9922.C33.o3.np	Method	AAT/NAP
Start	7632	End	10353
GI	4455199	Score	934
Exons	7632..7726, 8711..8798, 8886..9197, 9308..9463, 9557..9772, 9885..10353		
GI Descrip.	(AL035440) putative protein [Arabidopsis thaliana]		

Seq. No.	30588	Seq. ID	OJ990409_04.9922.C33
Gene No.	63232	Strand	-
Start	1998	End	10353
Name	OJ990409_04.9922.C33.o1.tm	Method	TBLASTX:Maize
Start	7864	End	10115
GI	none	Score	39
Exons	7864..7989, 7867..7938, 7937..8065, 7943..8206, 7973..8059, 8064..8204, 8071..8205, 8388..8540, 8389..8535, 8426..8539, 8711..8827, 8712..8843, 8712..8801, 8886..9206, 8891..9190, 8892..9200, 8926..9207, 9308..9466, 9308..9466, 9545..9775, 9570..9773, 9601..9774, 9886..9948, 9936..10115, 9937..10113		

Seq. No.	30588	Seq. ID	OJ990409_04.9922.C33
Gene No.	63232	Strand	-
Start	1998	End	10353
Name	OJ990409_04.9922.C33.o1.ts	Method	TBLASTX:Soybean
Start	8883	End	10055
GI	none	Score	172
Exons	8883..9200, 8883..9206, 9025..9207, 9308..9466, 9308..9466, 9545..9775, 9564..9773, 9617..9775, 9984..10055		

Seq. No.	30588	Seq. ID	OJ990409_04.9922.C33
Gene No.	63232	Strand	-

Start	1998	End	10353
Name	OJ990409_04.9922.C33.o1.tc	Method	TBLASTX:Cress
Start	8886	End	9349
GI	none	Score	153
Exons	8886..9206, 8892..9200, 9025..9207, 9308..9349		

Seq. No.	30588	Seq. ID	OJ990409_04.9922.C33
Gene No.	63232	Strand	-
Start	1998	End	10353
Name	OJ990409_04.9922.C33.o2.tc	Method	TBLASTX:Cress
Start	9359	End	9775
GI	none	Score	69
Exons	9359..9466, 9383..9472, 9545..9775, 9555..9773, 9565..9774		

Seq. No.	30588	Seq. ID	OJ990409_04.9922.C33
Gene No.	63232	Strand	-
Start	1998	End	10353
Name	OJ990409_04.9922.C33.o1.tw	Method	TBLASTX:Wheat
Start	9581	End	10125
GI	none	Score	149
Exons	9581..9775, 9591..9773, 9605..9775, 9936..10124, 9937..10125		

Seq. No.	30589	Seq. ID	OJ990409_04.9922.C34
Gene No.	63233	Strand	-
Start	154	End	438
Name	OJ990409_04.9922.C34.o1.gs	Method	GENSCAN
Start	154	End	438
GI	none	Score	.52
Exons	154..287, 408..438		

Seq. No.	30590	Seq. ID	OJ990409_04.9922.C37
Gene No.	63234	Strand	+
Start	1	End	568
Name	OJ990409_04.9922.C37.o1.np	Method	AAT/NAP
Start	1	End	426
GI	418604	Score	729
Exons	1..426		
GI Descrip.	HYPOTHETICAL 35.6 KD PROTEIN IN RPME-TDK INTERGENIC REGION (ORFP)		

Seq. No.	30590	Seq. ID	OJ990409_04.9922.C37
Gene No.	63234	Strand	+
Start	1	End	568
Name	OJ990409_04.9922.C37.o2.np	Method	AAT/NAP
Start	1	End	568
GI	3953478	Score	85
Exons	1..26, 431..568		
GI Descrip.	(AC002328) F22O2.23 [Arabidopsis thaliana]		

Seq. No.	30590	Seq. ID	OJ990409_04.9922.C37
Gene No.	63234	Strand	+
Start	1	End	568
Name	OJ990409_04.9922.C37.o1.gs	Method	GENSCAN
Start	85	End	429
GI	none	Score	.85
Exons	85..429		

Seq. No.	30591	Seq. ID	OJ990429_07.9927.C4
Gene No.	63235	Strand	+
Start	207	End	574
Name	OJ990429_07.9927.C4.o1.gp	Method	AAT/GAP
Start	207	End	574
GI	175_2.R1084	Score	648
Exons	207..574		
GI Descrip.	'5761329/dbj|BAA83473.1| 2.0e-18 (AB004819) cysteine endopeptidase [Oryza sativa]'		

Seq. No.	30592	Seq. ID	OJ990429_07.9927.C5
Gene No.	63236	Strand	+
Start	1368	End	2740
Name	OJ990429_07.9927.C5.o1.gs	Method	GENSCAN
Start	1368	End	2740
GI	none	Score	.54
Exons	1368..1525, 2617..2740		

Seq. No.	30592	Seq. ID	OJ990429_07.9927.C5
Gene No.	63237	Strand	-
Start	539	End	776
Name	OJ990429_07.9927.C5.o1.np	Method	AAT/NAP
Start	539	End	776
GI	6069646	Score	111
Exons	539..776		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	30593	Seq. ID	OJ990429_07.9927.C6
Gene No.	63238	Strand	+
Start	185	End	464
Name	OJ990429_07.9927.C6.o1.gs	Method	GENSCAN
Start	185	End	464
GI	none	Score	.94
Exons	185..464		

Seq. No.	30593	Seq. ID	OJ990429_07.9927.C6
Gene No.	63239	Strand	+
Start	3767	End	6462
Name	OJ990429_07.9927.C6.o1.gp	Method	AAT/GAP
Start	3767	End	4279
GI	64990_1.R1084	Score	621
Exons	3767..3903, 4076..4279		
GI Descrip.	'1769901/emb|CAA65052| 2.0e-14 (X95737) proline transporter 1 [Arabidopsis thaliana] >gi_2088642 (AF002109) proline transporter 1 [Arabidopsis thaliana]'		

Seq. No.	30593	Seq. ID	OJ990429_07.9927.C6
Gene No.	63239	Strand	+
Start	3767	End	6462
Name	OJ990429_07.9927.C6.o1.np	Method	AAT/NAP
Start	3804	End	6462
GI	1769901	Score	701
Exons	3804..3903, 4076..4300, 4428..4522, 4644..4836, 5244..5584,		

	5989..6223, 6320..6462		
GI Descrip.	(X95737) proline transporter 1 [Arabidopsis thaliana] gi|2088642|gb|AAB95274.1| (AF002109) proline transporter 1 [Arabidopsis thaliana]		
Seq. No.	30593	Seq. ID	OJ990429_07.9927.C6
Gene No.	63239	Strand	+
Start	3767	End	6462
Name	OJ990429_07.9927.C6.o3.gs	Method	GENSCAN
Start	4153	End	5635
GI	none	Score	.91
Exons	4153..4300, 4428..4522, 4644..4836, 5244..5635		
Seq. No.	30593	Seq. ID	OJ990429_07.9927.C6
Gene No.	63240	Strand	-
Start	926	End	3306
Name	OJ990429_07.9927.C6.o2.gs	Method	GENSCAN
Start	926	End	3306
GI	none	Score	.96
Exons	926..1223, 3167..3306		
Seq. No.	30593	Seq. ID	OJ990429_07.9927.C6
Gene No.	63241	Strand	-
Start	5959	End	8948
Name	OJ990429_07.9927.C6.o2.tc	Method	TBLASTX:Cress
Start	4054	End	6465
GI	none	Score	212
Exons	4054..4302, 4074..4301, 4117..4359, 4418..4537, 4683..4838, 5243..5602, 5311..5583, 6051..6197, 6064..6216, 6325..6465		
Seq. No.	30593	Seq. ID	OJ990429_07.9927.C6
Gene No.	63241	Strand	-
Start	5959	End	8948
Name	OJ990429_07.9927.C6.o3.tm	Method	TBLASTX:Maize
Start	4054	End	4522
GI	none	Score	209
Exons	4054..4302, 4089..4301, 4427..4522		
Seq. No.	30593	Seq. ID	OJ990429_07.9927.C6
Gene No.	63241	Strand	-
Start	5959	End	8948
Name	OJ990429_07.9927.C6.o2.ts	Method	TBLASTX:Soybean
Start	4054	End	4838
GI	none	Score	201
Exons	4054..4302, 4074..4301, 4417..4545, 4418..4537, 4683..4838		
Seq. No.	30593	Seq. ID	OJ990429_07.9927.C6
Gene No.	63241	Strand	-
Start	5959	End	8948
Name	OJ990429_07.9927.C6.o2.tm	Method	TBLASTX:Maize
Start	4667	End	5506
GI	none	Score	262
Exons	4667..4837, 4668..4838, 5242..5277, 5243..5278, 5278..5505, 5279..5506		
Seq. No.	30593	Seq. ID	OJ990429_07.9927.C6
Gene No.	63241	Strand	-

Start	5959	End	8948
Name	OJ990429_07.9927.C6.o1.tw	Method	TBLASTX:Wheat
Start	4683	End	5530
GI	none	Score	95
Exons	4683..4838, 5243..5530, 5263..5529		

Seq. No.	30593	Seq. ID	OJ990429_07.9927.C6
Gene No.	63241	Strand	-
Start	5959	End	8948
Name	OJ990429_07.9927.C6.o3.ts	Method	TBLASTX:Soybean
Start	5294	End	6465
GI	none	Score	246
Exons	5294..5596, 6064..6216, 6346..6465		

Seq. No.	30593	Seq. ID	OJ990429_07.9927.C6
Gene No.	63241	Strand	-
Start	5959	End	8948
Name	OJ990429_07.9927.C6.o4.gs	Method	GENSCAN
Start	5959	End	8576
GI	none	Score	.9
Exons	5959..6235, 6684..6804, 7114..7237, 7537..7593, 7695..7781, 7796..7928, 7993..8120, 8219..8324, 8497..8576		

Seq. No.	30593	Seq. ID	OJ990429_07.9927.C6
Gene No.	63241	Strand	-
Start	5959	End	8948
Name	OJ990429_07.9927.C6.o2.gp	Method	AAT/GAP
Start	6816	End	7902
GI	18509_1.R1084	Score	1585
Exons	6816..7408, 7537..7593, 7695..7902		
GI Descrip.	'6016736/gb|AAF01562.1|AC009325_32 2.0e-21 (AC009325) unknown protein [Arabidopsis thaliana]'		

Seq. No.	30593	Seq. ID	OJ990429_07.9927.C6
Gene No.	63241	Strand	-
Start	5959	End	8948
Name	OJ990429_07.9927.C6.o1.tm	Method	TBLASTX:Maize
Start	7253	End	8606
GI	none	Score	142
Exons	7253..7411, 7287..7409, 7506..7595, 7537..7593, 7538..7597, 7538..7594, 7692..7898, 7693..7758, 7694..7894, 7983..8123, 7992..8120, 7993..8124, 7993..8121, 8219..8323, 8223..8327, 8247..8327, 8494..8601, 8499..8606		

Seq. No.	30593	Seq. ID	OJ990429_07.9927.C6
Gene No.	63241	Strand	-
Start	5959	End	8948
Name	OJ990429_07.9927.C6.o1.tc	Method	TBLASTX:Cress
Start	7328	End	8323
GI	none	Score	126
Exons	7328..7411, 7537..7590, 7848..7898, 7992..8120, 7993..8124, 8014..8121, 8219..8323, 8223..8318		

Seq. No.	30593	Seq. ID	OJ990429_07.9927.C6
Gene No.	63241	Strand	-
Start	5959	End	8948
Name	OJ990429_07.9927.C6.o2.np	Method	AAT/NAP

Start	7331	End	8948
GI	6016736	Score	540
Exons	7331..7408, 7537..7593, 7746..7893, 7993..8120, 8219..8324, 8497..8948		
GI Descrip.	(AC009325) unknown protein [Arabidopsis thaliana].		

Seq. No.	30593	Seq. ID	OJ990429_07.9927.C6
Gene No.	63241	Strand	-
Start	5959	End	8948
Name	OJ990429_07.9927.C6.o1.ts	Method	TBLASTX:Soybean
Start	7992	End	8606
GI	none	Score	112
Exons	7992..8120, 7993..8121, 8014..8121, 8219..8323, 8220..8327, 8497..8601, 8499..8606		

Seq. No.	30593	Seq. ID	OJ990429_07.9927.C6
Gene No.	63241	Strand	-
Start	5959	End	8948
Name	OJ990429_07.9927.C6.o3.gp	Method	AAT/GAP
Start	8230	End	8578
GI	60907_1.R1084	Score	294
Exons	8230..8324, 8497..8578		
GI Descrip.	'6016736/gb|AAF01562.1|AC009325_32 4.0e-45 (AC009325) unknown protein [Arabidopsis thaliana]'		

Seq. No.	30594	Seq. ID	OJ990429_07.9927.C7
Gene No.	63242	Strand	+
Start	1	End	510
Name	OJ990429_07.9927.C7.o1.np	Method	AAT/NAP
Start	1	End	487
GI	1710845	Score	302
Exons	1..487		
GI Descrip.	ADENOSYLHOMOCYSTEINASE 1 (S-ADENOSYL-L-HOMOCYSTEINE HYDROLASE 1) (ADOHCYASE 1) gi|1079279|pir||JC2480 adenosylhomocysteinase (EC 3.3.1.1) - African clawed frog gi|558508 (L35559) adenine homocysteine hydrolase [Xenopus laevis]		

Seq. No.	30594	Seq. ID	OJ990429_07.9927.C7
Gene No.	63242	Strand	+
Start	1	End	510
Name	OJ990429_07.9927.C7.o1.tc	Method	TBLASTX:Cress
Start	205	End	487
GI	none	Score	149
Exons	205..339, 206..340, 311..487, 325..420		

Seq. No.	30594	Seq. ID	OJ990429_07.9927.C7
Gene No.	63242	Strand	+
Start	1	End	510
Name	OJ990429_07.9927.C7.o1.gs	Method	GENSCAN
Start	251	End	490
GI	none	Score	.66
Exons	251..490		

Seq. No.	30594	Seq. ID	OJ990429_07.9927.C7
Gene No.	63242	Strand	+
Start	1	End	510
Name	OJ990429_07.9927.C7.o1.tm	Method	TBLASTX:Maize

Start	262	End	510
GI	none	Score	60
Exons	262..339, 263..340, 307..483, 311..487, 427..510, 432..488		

Seq. No.	30594	Seq. ID	OJ990429_07.9927.C7
Gene No.	63242	Strand	+
Start	1	End	510
Name	OJ990429_07.9927.C7.o1.ts	Method	TBLASTX:Soybean
Start	307	End	487
GI	none	Score	184
Exons	307..474, 311..487		

Seq. No.	30595	Seq. ID	OJ990429_07.9927.C8
Gene No.	63243	Strand	-
Start	1	End	389
Name	OJ990429_07.9927.C8.o1.np	Method	AAT/NAP
Start	1	End	389
GI	137937	Score	663
Exons	1..389		
GI Descrip.	REPLICATION PROTEIN 14 gi|14808|emb|CAA31475| (X13065) gene 14 (AA 1 - 229) [Bacteriophage phi-80]		

Seq. No.	30596	Seq. ID	OJ990429_07.9927.C9
Gene No.	63244	Strand	-
Start	1	End	1503
Name	OJ990429_07.9927.C9.o1.np	Method	AAT/NAP
Start	1	End	1503
GI	5441880	Score	725
Exons	1..53, 114..484, 742..773, 1218..1503		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	30596	Seq. ID	OJ990429_07.9927.C9
Gene No.	63244	Strand	-
Start	1	End	1503
Name	OJ990429_07.9927.C9.o1.gs	Method	GENSCAN
Start	36	End	1400
GI	none	Score	.67
Exons	36..389, 597..1400		

Seq. No.	30596	Seq. ID	OJ990429_07.9927.C9
Gene No.	63244	Strand	-
Start	1	End	1503
Name	OJ990429_07.9927.C9.o1.tw	Method	TBLASTX:Wheat
Start	991	End	1368
GI	none	Score	66
Exons	991..1164, 1002..1142, 1097..1165, 1189..1365, 1214..1366, 1219..1368		

Seq. No.	30596	Seq. ID	OJ990429_07.9927.C9
Gene No.	63244	Strand	-
Start	1	End	1503
Name	OJ990429_07.9927.C9.o1.tm	Method	TBLASTX:Maize
Start	1066	End	1503
GI	none	Score	146
Exons	1066..1137, 1184..1408, 1195..1407, 1404..1502, 1405..1503		

Seq. No.	30597	Seq. ID	OJ990429_07.9927.C10
Gene No.	63245	Strand	-
Start	1	End	1624
Name	OJ990429_07.9927.C10.o1.np	Method	AAT/NAP
Start	1	End	1154
GI	5441880	Score	1186
Exons	1..1154		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	30597	Seq. ID	OJ990429_07.9927.C10
Gene No.	63245	Strand	-
Start	1	End	1624
Name	OJ990429_07.9927.C10.o1.tw	Method	TBLASTX:Wheat
Start	1	End	294
GI	none	Score	72
Exons	1..81, 1..90, 2..91, 115..291, 140..292, 145..294		

Seq. No.	30597	Seq. ID	OJ990429_07.9927.C10
Gene No.	63245	Strand	-
Start	1	End	1624
Name	OJ990429_07.9927.C10.o1.tm	Method	TBLASTX:Maize
Start	10	End	587
GI	none	Score	146
Exons	10..63, 110..334, 121..333, 304..576, 330..587, 331..582		

Seq. No.	30597	Seq. ID	OJ990429_07.9927.C10
Gene No.	63245	Strand	-
Start	1	End	1624
Name	OJ990429_07.9927.C10.o1.gs	Method	GENSCAN
Start	186	End	1624
GI	none	Score	.55
Exons	186..326, 835..879, 1025..1286, 1419..1624		

Seq. No.	30598	Seq. ID	OJ990429_07.9927.C11
Gene No.	63246	Strand	+
Start	114	End	169
Name	OJ990429_07.9927.C11.o1.gp	Method	AAT/GAP
Start	114	End	169
GI	LIB3431-030-P1-N1-G8	Score	78
Exons	114..169		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	30598	Seq. ID	OJ990429_07.9927.C11
Gene No.	63247	Strand	+
Start	466	End	763
Name	OJ990429_07.9927.C11.o1.gs	Method	GENSCAN
Start	466	End	763
GI	none	Score	.73
Exons	466..583, 741..763		

Seq. No.	30598	Seq. ID	OJ990429_07.9927.C11
Gene No.	63248	Strand	-
Start	1406	End	1914

Name	OJ990429_07.9927.C11.o2.gs	Method	GENSCAN
Start	1406	End	1914
GI	none	Score	.85
Exons	1406..1806, 1890..1914		

Seq. No.	30599	Seq. ID	OJ990429_07.9927.C12
Gene No.	63249	Strand	+
Start	168	End	302
Name	OJ990429_07.9927.C12.o1.gs	Method	GENSCAN
Start	168	End	302
GI	none	Score	.96
Exons	168..302		

Seq. No.	30599	Seq. ID	OJ990429_07.9927.C12
Gene No.	63250	Strand	+
Start	4795	End	5708
Name	OJ990429_07.9927.C12.o1.np	Method	AAT/NAP
Start	4786	End	5708
GI	3153237	Score	783
Exons	4786..5498, 5610..5708		
GI Descrip.	(AF047852) terminal ear1 [Zea mays]		

Seq. No.	30599	Seq. ID	OJ990429_07.9927.C12
Gene No.	63250	Strand	+
Start	4795	End	5708
Name	OJ990429_07.9927.C12.o2.gs	Method	GENSCAN
Start	4795	End	5498
GI	none	Score	.54
Exons	4795..5498		

Seq. No.	30600	Seq. ID	OJ990429_07.9927.C13
Gene No.	63251	Strand	+
Start	1	End	2655
Name	OJ990429_07.9927.C13.o1.np	Method	AAT/NAP
Start	1	End	2652
GI	3153237	Score	1127
Exons	1..114, 187..690, 821..949, 2051..2192, 2284..2652		
GI Descrip.	(AF047852) terminal ear1 [Zea mays]		

Seq. No.	30600	Seq. ID	OJ990429_07.9927.C13
Gene No.	63251	Strand	+
Start	1	End	2655
Name	OJ990429_07.9927.C13.o1.gs	Method	GENSCAN
Start	115	End	1594
GI	none	Score	.64
Exons	115..158, 187..690, 821..949, 1552..1594		

Seq. No.	30600	Seq. ID	OJ990429_07.9927.C13
Gene No.	63251	Strand	+
Start	1	End	2655
Name	OJ990429_07.9927.C13.o2.gs	Method	GENSCAN
Start	2037	End	2655
GI	none	Score	.96
Exons	2037..2192, 2284..2655		

Seq. No.	30601	Seq. ID	OJ990429_07.9927.C14
Gene No.	63252	Strand	-

Start	2985	End	3300
Name	OJ990429_07.9927.C14.o2.gs	Method	GENSCAN
Start	2985	End	3300
GI	none	Score	.55
Exons	2985..3300		

Seq. No.	30602	Seq. ID	OJ990429_07.9927.C15
Gene No.	63253	Strand	+
Start	168	End	246
Name	OJ990429_07.9927.C15.o1.gp	Method	AAT/GAP
Start	168	End	246
GI	90742_1.R1084	Score	94
Exons	168..246		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	30603	Seq. ID	OJ990429_07.9927.C16
Gene No.	63254	Strand	+
Start	324	End	467
Name	OJ990429_07.9927.C16.o1.gs	Method	GENSCAN
Start	324	End	467
GI	none	Score	.49
Exons	324..467		

Seq. No.	30604	Seq. ID	OJ990429_07.9927.C17
Gene No.	63255	Strand	+
Start	146	End	5276
Name	OJ990429_07.9927.C17.o1.gp	Method	AAT/GAP
Start	146	End	1729
GI	21496_1.R1084	Score	1081
Exons	146..395, 765..893, 1379..1521, 1648..1729		
GI Descrip.	'4406759/gb|AAD20070| 1.0e-15 (AC006836) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	30604	Seq. ID	OJ990429_07.9927.C17
Gene No.	63255	Strand	+
Start	146	End	5276
Name	OJ990429_07.9927.C17.o1.gs	Method	GENSCAN
Start	147	End	3905
GI	none	Score	.91
Exons	147..395, 765..893, 1379..1521, 1648..1783, 2142..2393, 3537..3711, 3817..3905		

Seq. No.	30604	Seq. ID	OJ990429_07.9927.C17
Gene No.	63255	Strand	+
Start	146	End	5276
Name	OJ990429_07.9927.C17.o1.np	Method	AAT/NAP
Start	302	End	3558
GI	6587806	Score	369
Exons	302..395, 765..893, 1379..1584, 1663..1783, 2142..2318, 3466..3558		
GI Descrip.	(AC010924) Contains similarity to gb|M82916 MRS2 protein from Saccharomyces cerivisae. ESTs gb|N96043, gb|AI998651, gb|AA585850, gb|T42027 come from this gene. [Arabidopsis thaliana]		

Seq. No.	30604	Seq. ID	OJ990429_07.9927.C17

Gene No.	63255	Strand	+
Start	146	End	5276
Name	OJ990429_07.9927.C17.o2.gp	Method	AAT/GAP
Start	2132	End	2577
GI	none	Score	790
Exons	2132..2577		

Seq. No.	30604	Seq. ID	OJ990429_07.9927.C17
Gene No.	63255	Strand	+
Start	146	End	5276
Name	OJ990429_07.9927.C17.o3.gp	Method	AAT/GAP
Start	3540	End	5276
GI	387_2.R1084	Score	819
Exons	3540..3711, 4909..5276		
GI Descrip.	'303838/dbj|D12633|RIC40SSRPD 9.0e-34 Rice mRNA for 40S subunit ribosomal protein, complete cds'		

Seq. No.	30604	Seq. ID	OJ990429_07.9927.C17
Gene No.	63256	Strand	-
Start	4180	End	5657
Name	OJ990429_07.9927.C17.o1.tm	Method	TBLASTX:Maize
Start	258	End	2403
GI	none	Score	184
Exons	258..401, 270..407, 271..405, 762..896, 772..897, 772..894, 809..895, 1376..1525, 1377..1523, 1644..1766, 1644..1778, 1646..1786, 1646..1783, 2138..2401, 2139..2402, 2142..2402, 2287..2403		

Seq. No.	30604	Seq. ID	OJ990429_07.9927.C17
Gene No.	63256	Strand	-
Start	4180	End	5657
Name	OJ990429_07.9927.C17.o1.ts	Method	TBLASTX:Soybean
Start	324	End	2453
GI	none	Score	77
Exons	324..389, 780..896, 809..895, 1376..1447, 1694..1780, 1712..1780, 2135..2257, 2140..2235, 2142..2315, 2142..2294, 2174..2314, 2328..2453		

Seq. No.	30604	Seq. ID	OJ990429_07.9927.C17
Gene No.	63256	Strand	-
Start	4180	End	5657
Name	OJ990429_07.9927.C17.o2.tm	Method	TBLASTX:Maize
Start	3603	End	5016
GI	none	Score	192
Exons	3603..3710, 3604..3711, 3619..3714, 4906..5016		

Seq. No.	30604	Seq. ID	OJ990429_07.9927.C17
Gene No.	63256	Strand	-
Start	4180	End	5657
Name	OJ990429_07.9927.C17.o2.gs	Method	GENSCAN
Start	4180	End	5657
GI	none	Score	.57
Exons	4180..4208, 4798..4901, 5494..5657		

Seq. No.	30605	Seq. ID	OJ990429_07.9927.C18
Gene No.	63257	Strand	-
Start	1	End	1926

Name	OJ990429_07.9927.C18.o1.gp	Method	AAT/GAP
Start	1	End	300
GI	none	Score	182
Exons	1..65, 265..300		

Seq. No.	30605	Seq. ID	OJ990429_07.9927.C18
Gene No.	63257	Strand	-
Start	1	End	1926
Name	OJ990429_07.9927.C18.o2.gp	Method	AAT/GAP
Start	1	End	448
GI	none	Score	391
Exons	1..65, 265..448		

Seq. No.	30605	Seq. ID	OJ990429_07.9927.C18
Gene No.	63257	Strand	-
Start	1	End	1926
Name	OJ990429_07.9927.C18.o1.np	Method	AAT/NAP
Start	1	End	1926
GI	4678352	Score	426
Exons	1..37, 265..572, 1384..1688, 1857..1926		
GI Descrip.	(AL049659) putative protein [Arabidopsis thaliana]		

Seq. No.	30605	Seq. ID	OJ990429_07.9927.C18
Gene No.	63257	Strand	-
Start	1	End	1926
Name	OJ990429_07.9927.C18.o1.tw	Method	TBLASTX:Wheat
Start	244	End	1431
GI	none	Score	152
Exons	244..366, 267..365, 367..411, 369..410, 450..545, 454..573, 1345..1407, 1384..1431		

Seq. No.	30605	Seq. ID	OJ990429_07.9927.C18
Gene No.	63257	Strand	-
Start	1	End	1926
Name	OJ990429_07.9927.C18.o1.gs	Method	GENSCAN
Start	265	End	1690
GI	none	Score	.47
Exons	265..572, 1384..1690		

Seq. No.	30605	Seq. ID	OJ990429_07.9927.C18
Gene No.	63257	Strand	-
Start	1	End	1926
Name	OJ990429_07.9927.C18.o1.tm	Method	TBLASTX:Maize
Start	474	End	1695
GI	none	Score	111
Exons	474..545, 475..594, 1384..1695, 1388..1660		

Seq. No.	30605	Seq. ID	OJ990429_07.9927.C18
Gene No.	63257	Strand	-
Start	1	End	1926
Name	OJ990429_07.9927.C18.o1.ts	Method	TBLASTX:Soybean
Start	508	End	1680
GI	none	Score	61
Exons	508..597, 1393..1680, 1409..1654		

Seq. No.	30605	Seq. ID	OJ990429_07.9927.C18
Gene No.	63257	Strand	-

Start	1	End	1926
Name	OJ990429_07.9927.C18.o1.tc	Method	TBLASTX:Cress
Start	1447	End	1668
GI	none	Score	211
Exons	1447..1668		

Seq. No.	30606	Seq. ID	OJ990429_07.9927.C19
Gene No.	63258	Strand	+
Start	2548	End	9137
Name	OJ990429_07.9927.C19.o3.gs	Method	GENSCAN
Start	2548	End	9137
GI	none	Score	.65
Exons	2548..2576, 2783..2868, 5013..5079, 5369..5498, 6742..6840, 6913..7041, 7190..7369, 7619..7735, 8424..8502, 8540..8789, 9050..9137		

Seq. No.	30606	Seq. ID	OJ990429_07.9927.C19
Gene No.	63258	Strand	+
Start	2548	End	9137
Name	OJ990429_07.9927.C19.o1.np	Method	AAT/NAP
Start	3620	End	7970
GI	4455302	Score	1049
Exons	3620..3685, 5398..5498, 5869..5973, 6125..6274, 6742..6840, 6913..7041, 7190..7369, 7619..7735, 7818..7970		
GI Descrip.	(AL035528) putative protein [Arabidopsis thaliana]		

Seq. No.	30606	Seq. ID	OJ990429_07.9927.C19
Gene No.	63258	Strand	+
Start	2548	End	9137
Name	OJ990429_07.9927.C19.o2.gp	Method	AAT/GAP
Start	5172	End	6937
GI	27454_1.R1084	Score	977
Exons	5172..5301, 5406..5498, 5869..5973, 6125..6274, 6742..6840, 6913..6937		
GI Descrip.	'4455302/emb|CAB36837.1| 1.0e-46 (AL035528) putative protein [Arabidopsis thaliana]'		

Seq. No.	30606	Seq. ID	OJ990429_07.9927.C19
Gene No.	63258	Strand	+
Start	2548	End	9137
Name	OJ990429_07.9927.C19.o3.gp	Method	AAT/GAP
Start	7616	End	8123
GI	LIB3475-008-P1-K1-B8	Score	792
Exons	7616..7735, 7818..8123		
GI Descrip.	'4455302/emb|CAB36837.1| 3.0e-39 (AL035528) putative protein [Arabidopsis thaliana]'		

Seq. No.	30606	Seq. ID	OJ990429_07.9927.C19
Gene No.	63258	Strand	+
Start	2548	End	9137
Name	OJ990429_07.9927.C19.o4.gp	Method	AAT/GAP
Start	8352	End	8412
GI	2312838	Score	71
Exons	8352..8412		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	30606	Seq. ID	OJ990429_07.9927.C19
Gene No.	63259	Strand	-
Start	1404	End	2048
Name	OJ990429_07.9927.C19.o2.gs	Method	GENSCAN
Start	1404	End	1926
GI	none	Score	.95
Exons	1404..1473, 1516..1679, 1822..1926		

Seq. No.	30606	Seq. ID	OJ990429_07.9927.C19
Gene No.	63259	Strand	-
Start	1404	End	2048
Name	OJ990429_07.9927.C19.o1.gp	Method	AAT/GAP
Start	1550	End	2048
GI	uC-osrocyp013d12b1	Score	641
Exons	1550..1679, 1822..2048		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	30606	Seq. ID	OJ990429_07.9927.C19
Gene No.	63260	Strand	
Start	5199	End	7243
Name	OJ990429_07.9927.C19.o2.tm	Method	TBLASTX:Maize
Start	5199	End	7243
GI	none	Score	59
Exons	5199..5252, 5201..5251, 5258..5299, 5259..5288, 5262..5303, 5263..5304, 5397..5498, 5400..5504, 5404..5502, 5411..5512, 5859..5975, 5860..5976, 5864..5977, 5866..5988, 6125..6274, 6127..6273, 6733..6840, 6741..6866, 6741..6842, 6907..7044, 6910..7053, 6911..7045, 7193..7243		

Seq. No.	30606	Seq. ID	OJ990429_07.9927.C19
Gene No.	63260	Strand	
Start	5199	End	7243
Name	OJ990429_07.9927.C19.o2.ts	Method	TBLASTX:Soybean
Start	5397	End	7032
GI	none	Score	123
Exons	5397..5498, 5397..5498, 5486..5509, 5847..5972, 5866..5976, 6116..6274, 6187..6270, 6733..6840, 6733..6840, 6744..6848, 6747..6854, 6911..7030, 6913..7032, 6919..7032		

Seq. No.	30606	Seq. ID	OJ990429_07.9927.C19
Gene No.	63260	Strand	
Start	5199	End	7243
Name	OJ990429_07.9927.C19.o2.tc	Method	TBLASTX:Cress
Start	6197	End	7166
GI	none	Score	91
Exons	6197..6274, 6730..6840, 6744..6842, 6747..6842, 6902..7003, 6904..7062, 6910..7062, 7134..7166		

Seq. No.	30606	Seq. ID	OJ990429_07.9927.C19
Gene No.	63261	Strand	
Start	7237	End	8163
Name	OJ990429_07.9927.C19.o1.ts	Method	TBLASTX:Soybean
Start	7237	End	7960
GI	none	Score	135
Exons	7237..7374, 7238..7384, 7577..7735, 7617..7736, 7621..7737, 7633..7758, 7815..7886, 7817..7879, 7874..7960, 7875..7958		

Seq. No.	30606	Seq. ID	OJ990429_07.9927.C19
Gene No.	63261	Strand	
Start	7237	End	8163
Name	OJ990429_07.9927.C19.o1.tm	Method	TBLASTX:Maize
Start	7246	End	8163
GI	none	Score	117
Exons	7246..7374, 7258..7362, 7271..7384, 7586..7735, 7621..7731, 7633..7767, 7815..7988, 7817..7990, 7817..7969, 8113..8163		

Seq. No.	30606	Seq. ID	OJ990429_07.9927.C19
Gene No.	63261	Strand	
Start	7237	End	8163
Name	OJ990429_07.9927.C19.o1.tc	Method	TBLASTX:Cress
Start	7616	End	7961
GI	none	Score	186
Exons	7616..7732, 7624..7731, 7811..7933, 7817..7960, 7818..7961		

Seq. No.	30607	Seq. ID	OJ990429_07.9927.C20
Gene No.	63262	Strand	+
Start	2793	End	3074
Name	OJ990429_07.9927.C20.o1.gs	Method	GENSCAN
Start	2793	End	3074
GI	none	Score	.6
Exons	2793..2907, 3010..3074		

Seq. No.	30607	Seq. ID	OJ990429_07.9927.C20
Gene No.	63263	Strand	-
Start	1459	End	1564
Name	OJ990429_07.9927.C20.o1.gp	Method	AAT/GAP
Start	1459	End	1564
GI	LIB3477-003-P1-K1-E9	Score	119
Exons	1459..1564		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	30608	Seq. ID	OJ990429_07.9927.C21
Gene No.	63264	Strand	+
Start	1	End	770
Name	OJ990429_07.9927.C21.o1.np	Method	AAT/NAP
Start	1	End	770
GI	6642647	Score	173
Exons	1..51, 113..770		
GI Descrip.	(AC012395) unknown protein [Arabidopsis thaliana]		

Seq. No.	30608	Seq. ID	OJ990429_07.9927.C21
Gene No.	63264	Strand	+
Start	1	End	770
Name	OJ990429_07.9927.C21.o1.gs	Method	GENSCAN
Start	113	End	702
GI	none	Score	.82
Exons	113..702		

Seq. No.	30608	Seq. ID	OJ990429_07.9927.C21
Gene No.	63264	Strand	+
Start	1	End	770

Name	OJ990429_07.9927.C21.o1.tm	Method	TBLASTX:Maize
Start	505	End	723
GI	none	Score	40
Exons	505..567, 507..530, 526..702, 567..701, 694..723		

Seq. No.	30609	Seq. ID	OJ990429_07.9927.C23
Gene No.	63265	Strand	+
Start	338	End	570
Name	OJ990429_07.9927.C23.o1.gs	Method	GENSCAN
Start	338	End	570
GI	none	Score	.68
Exons	338..570		

Seq. No.	30610	Seq. ID	OJ990429_07.9927.C25
Gene No.	63266	Strand	-
Start	2510	End	6114
Name	OJ990429_07.9927.C25.o2.gs	Method	GENSCAN
Start	2510	End	6114
GI	none	Score	.43
Exons	2510..2716, 2823..3039, 3272..3415, 4424..4537, 4578..4831, 4879..5022, 5938..6114		

Seq. No.	30610	Seq. ID	OJ990429_07.9927.C25
Gene No.	63266	Strand	-
Start	2510	End	6114
Name	OJ990429_07.9927.C25.o1.np	Method	AAT/NAP
Start	4132	End	4985
GI	6907106	Score	445
Exons	4132..4985		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30610	Seq. ID	OJ990429_07.9927.C25
Gene No.	63266	Strand	-
Start	2510	End	6114
Name	OJ990429_07.9927.C25.o1.tm	Method	TBLASTX:Maize
Start	4230	End	4506
GI	none	Score	104
Exons	4230..4340, 4234..4278, 4300..4341, 4311..4505, 4312..4506, 4344..4406, 4387..4506		

Seq. No.	30611	Seq. ID	OJ990429_07.9927.C26
Gene No.	63267	Strand	+
Start	2435	End	4435
Name	OJ990429_07.9927.C26.o1.gs	Method	GENSCAN
Start	2435	End	3050
GI	none	Score	.97
Exons	2435..2723, 2821..3050		

Seq. No.	30611	Seq. ID	OJ990429_07.9927.C26
Gene No.	63267	Strand	+
Start	2435	End	4435
Name	OJ990429_07.9927.C26.o1.gp	Method	AAT/GAP
Start	2466	End	3022
GI	LIB3433-011 Q6-K1-B4	Score	877
Exons	2466..2723, 2821..3022		
GI Descrip.	'3068705 1.0e-15 (AF049236) unknown [Arabidopsis thaliana]'		

Seq. No.	30611	Seq. ID	OJ990429_07.9927.C26
Gene No.	63267	Strand	+
Start	2435	End	4435
Name	OJ990429_07.9927.C26.o2.np	Method	AAT/NAP
Start	2468	End	4435
GI	6624711	Score	184
Exons	2468..2723, 2821..2984, 4409..4435		
GI Descrip.	(AJ243961) hypothetical protein [Oryza sativa]		

Seq. No.	30611	Seq. ID	OJ990429_07.9927.C26
Gene No.	63268	Strand	+
Start	5530	End	5918
Name	OJ990429_07.9927.C26.o2.gp	Method	AAT/GAP
Start	5530	End	5918
GI	none	Score	505
Exons	5530..5783, 5885..5918		

Seq. No.	30611	Seq. ID	OJ990429_07.9927.C26
Gene No.	63269	Strand	-
Start	846	End	5918
Name	OJ990429_07.9927.C26.o1.tm	Method	TBLASTX:Maize
Start	31	End	2975
GI	none	Score	36
Exons	31..69, 50..151, 2398..2448, 2417..2485, 2444..2467, 2512..2616, 2516..2608, 2672..2743, 2674..2727, 2804..2923, 2807..2923, 2820..2975, 2907..2972		

Seq. No.	30611	Seq. ID	OJ990429_07.9927.C26
Gene No.	63269	Strand	-
Start	846	End	5918
Name	OJ990429_07.9927.C26.o1.np	Method	AAT/NAP
Start	846	End	5918
GI	4680183	Score	200
Exons	846..937, 1547..1615, 5877..5918		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	30611	Seq. ID	OJ990429_07.9927.C26
Gene No.	63269	Strand	-
Start	846	End	5918
Name	OJ990429_07.9927.C26.o1.ts	Method	TBLASTX:Soybean
Start	2534	End	2990
GI	none	Score	76
Exons	2534..2614, 2657..2725, 2820..2990		

Seq. No.	30612	Seq. ID	OJ990429_07.9927.C27
Gene No.	63270	Strand	+
Start	1	End	4688
Name	OJ990429_07.9927.C27.o1.np	Method	AAT/NAP
Start	1	End	4684
GI	6642647	Score	773
Exons	1..397, 727..811, 904..993, 1126..1199, 1594..1678, 1755..1841, 1965..2100, 2815..2896, 2983..3030, 3342..3414, 3515..3632, 4636..4684		
GI Descrip.	(AC012395) unknown protein [Arabidopsis thaliana]		

Seq. No.	30612	Seq. ID	OJ990429_07.9927.C27

Gene No.	63270	Strand	+
Start	1	End	4688
Name	OJ990429_07.9927.C27.o1.gs	Method	GENSCAN
Start	123	End	4688
GI	none	Score	.84
Exons	123..397, 727..811, 904..993, 1970..2100, 2815..2896, 2983..3030, 3966..4031, 4153..4269, 4476..4688		

Seq. No.	30612	Seq. ID	OJ990429_07.9927.C27
Gene No.	63270	Strand	+
Start	1	End	4688
Name	OJ990429_07.9927.C27.o1.gp	Method	AAT/GAP
Start	2068	End	4301
GI	26844_1.R1084	Score	1205
Exons	2068..2100, 2815..2896, 2983..3030, 3342..3414, 3515..3618, 3966..4301		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 1.0e-11 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	30612	Seq. ID	OJ990429_07.9927.C27
Gene No.	63271	Strand	+
Start	5726	End	12208
Name	OJ990429_07.9927.C27.o2.gs	Method	GENSCAN
Start	5726	End	12208
GI	none	Score	.91
Exons	5726..6599, 6697..6775, 7126..7193, 7783..7933, 8747..9327, 9796..10605, 10911..12208		

Seq. No.	30612	Seq. ID	OJ990429_07.9927.C27
Gene No.	63271	Strand	+
Start	5726	End	12208
Name	OJ990429_07.9927.C27.o2.np	Method	AAT/NAP
Start	5741	End	12199
GI	4678345	Score	1762
Exons	5741..6599, 6697..6775, 7126..7193, 7783..7933, 8747..9345, 9770..9933, 10321..10605, 10911..12199		
GI Descrip.	(AL049659) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	30612	Seq. ID	OJ990429_07.9927.C27
Gene No.	63271	Strand	+
Start	5726	End	12208
Name	OJ990429_07.9927.C27.o2.gp	Method	AAT/GAP
Start	11093	End	11561
GI	LIB3475-005-P1-K1-A12	Score	934
Exons	11093..11561		
GI Descrip.	'4678345/emb|CAB41155.1| 8.0e-19 (AL049659) putative zinc finger protein [Arabidopsis thaliana]'		

Seq. No.	30612	Seq. ID	OJ990429_07.9927.C27
Gene No.	63272	Strand	+
Start	13778	End	13964
Name	OJ990429_07.9927.C27.o3.gp	Method	AAT/GAP
Start	13778	End	13964
GI	175_1.R1084	Score	346
Exons	13778..13964		
GI Descrip.	'1514953/dbj|BAA11170| 0.0e+00 (D76415) cysteine proteinase [Oryza sativa]'		

Seq. No.	30612	Seq. ID	OJ990429_07.9927.C27
Gene No.	63273	Strand	-
Start	12906	End	13353
Name	OJ990429_07.9927.C27.o2.tm	Method	TBLASTX:Maize
Start	114	End	399
GI	none	Score	367
Exons	114..398, 117..161, 117..179, 172..399, 179..397		

Seq. No.	30612	Seq. ID	OJ990429_07.9927.C27
Gene No.	63273	Strand	-
Start	12906	End	13353
Name	OJ990429_07.9927.C27.o4.tm	Method	TBLASTX:Maize
Start	1167	End	4099
GI	none	Score	65
Exons	1167..1232, 1168..1242, 1593..1676, 1594..1677, 1595..1681, 1743..1862, 1754..1807, 1812..1850, 1967..2101, 1967..2101, 1968..2102, 1999..2112, 2813..2896, 2814..2909, 2814..2897, 2815..2931, 2982..3032, 2983..3033, 2989..3033, 3260..3412, 3306..3413, 3339..3419, 3340..3414, 3504..3617, 3508..3618, 3511..3618, 3965..4099, 3966..4097		

Seq. No.	30612	Seq. ID	OJ990429_07.9927.C27
Gene No.	63273	Strand	-
Start	12906	End	13353
Name	OJ990429_07.9927.C27.o6.tm	Method	TBLASTX:Maize
Start	5776	End	5899
GI	none	Score	183
Exons	5776..5898, 5777..5899		

Seq. No.	30612	Seq. ID	OJ990429_07.9927.C27
Gene No.	63273	Strand	-
Start	12906	End	13353
Name	OJ990429_07.9927.C27.o1.ts	Method	TBLASTX:Soybean
Start	5777	End	6589
GI	none	Score	108
Exons	5777..5899, 6320..6589, 6322..6528		

Seq. No.	30612	Seq. ID	OJ990429_07.9927.C27
Gene No.	63273	Strand	-
Start	12906	End	13353
Name	OJ990429_07.9927.C27.o5.tm	Method	TBLASTX:Maize
Start	6320	End	6541
GI	none	Score	221
Exons	6320..6541, 6397..6528		

Seq. No.	30612	Seq. ID	OJ990429_07.9927.C27
Gene No.	63273	Strand	-
Start	12906	End	13353
Name	OJ990429_07.9927.C27.o3.tm	Method	TBLASTX:Maize
Start	11064	End	11305
GI	none	Score	187
Exons	11064..11303, 11064..11303, 11065..11304, 11066..11305		

Seq. No.	30612	Seq. ID	OJ990429_07.9927.C27
Gene No.	63273	Strand	-
Start	12906	End	13353

Name	OJ990429_07.9927.C27.o1.tm	Method	TBLASTX:Maize
Start	11818	End	12097
GI	none	Score	257
Exons	11818..12003, 11819..12004, 11850..12023, 11854..12024, 11921..12004, 12009..12095, 12009..12095, 12010..12096, 12011..12097		

Seq. No.	30612	Seq. ID	OJ990429_07.9927.C27
Gene No.	63273	Strand	-
Start	12906	End	13353
Name	OJ990429_07.9927.C27.o1.tc	Method	TBLASTX:Cress
Start	11846	End	12192
GI	none	Score	385
Exons	11846..12136, 11852..12157, 11860..12192, 11921..12073		

Seq. No.	30612	Seq. ID	OJ990429_07.9927.C27
Gene No.	63273	Strand	-
Start	12906	End	13353
Name	OJ990429_07.9927.C27.o3.gs	Method	GENSCAN
Start	12906	End	13353
GI	none	Score	.84
Exons	12906..13095, 13274..13353		

Seq. No.	30613	Seq. ID	OJ990429_07.9927.C28
Gene No.	63274	Strand	+
Start	1	End	742
Name	OJ990429_07.9927.C28.o1.gp	Method	AAT/GAP
Start	1	End	742
GI	175_1.R1084	Score	1341
Exons	1..742		
GI Descrip.	'1514953/dbj|BAA11170| 0.0e+00 (D76415) cysteine proteinase [Oryza sativa]'		

Seq. No.	30613	Seq. ID	OJ990429_07.9927.C28
Gene No.	63274	Strand	+
Start	1	End	742
Name	OJ990429_07.9927.C28.o1.np	Method	AAT/NAP
Start	1	End	417
GI	5761329	Score	702
Exons	1..417		
GI Descrip.	(AB004819) cysteine endopeptidase [Oryza sativa]		

Seq. No.	30613	Seq. ID	OJ990429_07.9927.C28
Gene No.	63275	Strand	+
Start	2563	End	3028
Name	OJ990429_07.9927.C28.o2.gs	Method	GENSCAN
Start	2563	End	3028
GI	none	Score	.83
Exons	2563..2638, 2904..3028		

Seq. No.	30613	Seq. ID	OJ990429_07.9927.C28
Gene No.	63276	Strand	-
Start	4424	End	4623
Name	OJ990429_07.9927.C28.o1.tm	Method	TBLASTX:Maize
Start	5	End	393
GI	none	Score	250
Exons	5..178, 6..191, 198..320, 199..321, 316..393, 318..392		

Seq. No.	30613	Seq. ID	OJ990429_07.9927.C28
Gene No.	63276	Strand	-
Start	4424	End	4623
Name	OJ990429_07.9927.C28.o1.tc	Method	TBLASTX:Cress
Start	23	End	390
GI	none	Score	219
Exons	23..178, 24..191, 228..386, 229..390		

Seq. No.	30613	Seq. ID	OJ990429_07.9927.C28
Gene No.	63276	Strand	-
Start	4424	End	4623
Name	OJ990429_07.9927.C28.o1.ts	Method	TBLASTX:Soybean
Start	23	End	384
GI	none	Score	217
Exons	23..178, 27..191, 198..368, 199..384		

Seq. No.	30613	Seq. ID	OJ990429_07.9927.C28
Gene No.	63276	Strand	-
Start	4424	End	4623
Name	OJ990429_07.9927.C28.o1.tw	Method	TBLASTX:Wheat
Start	78	End	357
GI	none	Score	103
Exons	78..191, 98..172, 228..284, 229..357		

Seq. No.	30613	Seq. ID	OJ990429_07.9927.C28
Gene No.	63276	Strand	-
Start	4424	End	4623
Name	OJ990429_07.9927.C28.o3.gs	Method	GENSCAN
Start	4424	End	4623
GI	none	Score	.46
Exons	4424..4623		

Seq. No.	30614	Seq. ID	OJ990429_07.9927.C29
Gene No.	63277	Strand	+
Start	127	End	576
Name	OJ990429_07.9927.C29.o1.gs	Method	GENSCAN
Start	127	End	576
GI	none	Score	.44
Exons	127..576		

Seq. No.	30614	Seq. ID	OJ990429_07.9927.C29
Gene No.	63278	Strand	+
Start	4802	End	4859
Name	OJ990429_07.9927.C29.o1.gp	Method	AAT/GAP
Start	4802	End	4859
GI	LIB3431-030-P1-N1-G8	Score	86
Exons	4802..4859		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	30614	Seq. ID	OJ990429_07.9927.C29
Gene No.	63279	Strand	-
Start	1828	End	3560
Name	OJ990429_07.9927.C29.o2.gs	Method	GENSCAN
Start	1828	End	3560
GI	none	Score	.4

Exons	1828..2034, 2164..2355, 3097..3198, 3474..3560		
Seq. No.	30615	Seq. ID	OJ990429_07.9927.C30
Gene No.	63280	Strand	+
Start	97	End	230
Name	OJ990429_07.9927.C30.o1.gs	Method	GENSCAN
Start	97	End	230
GI	none	Score	.91
Exons	97..230		
Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63281	Strand	+
Start	345	End	3971
Name	OJ990419_07.9923.C1.o1.gs	Method	GENSCAN
Start	345	End	3971
GI	none	Score	.5
Exons	345..414, 3940..3971		
Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63282	Strand	+
Start	4548	End	5062
Name	OJ990419_07.9923.C1.o1.gp	Method	AAT/GAP
Start	4548	End	5062
GI	1495_1.R1084	Score	777
Exons	4548..4829, 4928..5062		
GI Descrip.	'5051767/emb|CAB45060.1| 2.0e-36 (AL078637) Mlo-like protein [Arabidopsis thaliana]'		
Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63283	Strand	+
Start	6936	End	19375
Name	OJ990419_07.9923.C1.o2.np	Method	AAT/NAP
Start	6936	End	11573
GI	6069646	Score	348
Exons	6936..6971, 10785..11573		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63283	Strand	+
Start	6936	End	19375
Name	OJ990419_07.9923.C1.o3.gs	Method	GENSCAN
Start	10759	End	19375
GI	none	Score	.57
Exons	10759..10865, 11092..11280, 12781..12883, 13018..13091, 13136..13486, 13679..13840, 14003..15644, 15698..16156, 16244..18433, 18533..19375		
Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63283	Strand	+
Start	6936	End	19375
Name	OJ990419_07.9923.C1.o3.np	Method	AAT/NAP
Start	16253	End	19372
GI	5902445	Score	3115

Exons	16253..18088, 18128..19372		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63284	Strand	-
Start	4703	End	9879
Name	OJ990419_07.9923.C1.o2.gs	Method	GENSCAN
Start	4703	End	9879
GI	none	Score	.86
Exons	4703..5164, 5460..5520, 6799..6887, 6975..7049, 7894..7995, 8075..8191, 8420..8580, 8848..8966, 9818..9879		
Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63284	Strand	-
Start	4703	End	9879
Name	OJ990419_07.9923.C1.o1.np	Method	AAT/NAP
Start	4799	End	9755
GI	6166555	Score	808
Exons	4799..4960, 5054..5164, 5460..5520, 5713..5780, 5930..6139, 6242..6282, 6663..6712, 6799..6887, 6975..7119, 7909..7995, 8075..8209, 8338..8580, 8848..8905, 9633..9755		
GI Descrip.	MLO PROTEIN HOMOLOG 1 (ATMLO-H1) gi|2765817|emb|CAB08605| (Z95352) AtMlo-h1 [Arabidopsis thaliana] gi|3892049|gb|AAC78258.1|AAC78258 (AC002330) AtMlo-h1 [Arabidopsis thaliana]		
Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63284	Strand	-
Start	4703	End	9879
Name	OJ990419_07.9923.C1.o2.gp	Method	AAT/GAP
Start	6791	End	9726
GI	4715340	Score	1179
Exons	6791..6887, 6975..7049, 7894..7995, 8075..8191, 8420..8580, 8848..8905, 9633..9726		
GI Descrip.	5051767/emb|CAB45060.1| 2.0e-36 (AL078637) Mlo-like protein [Arabidopsis thaliana]		
Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63285	Strand	-
Start	20011	End	24893
Name	OJ990419_07.9923.C1.o2.ts	Method	TBLASTX:Soybean
Start	5457	End	9731
GI	none	Score	105
Exons	5457..5519, 5697..5792, 5921..6139, 5927..6040, 6239..6283, 6661..6714, 6662..6715, 6756..6896, 6784..6870, 6966..7049, 8069..8188, 8076..8186, 8426..8581, 9633..9731, 9649..9720		
Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63285	Strand	-
Start	20011	End	24893
Name	OJ990419_07.9923.C1.o5.tm	Method	TBLASTX:Maize
Start	5936	End	9731
GI	none	Score	129
Exons	5936..6037, 5936..6145, 6239..6283, 6661..6714, 6662..6715, 6756..6896, 6799..6870, 8060..8191, 8079..8195, 8461..8583, 8477..8581, 8477..8602, 8611..8673, 9633..9731, 9634..9720		

Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63285	Strand	-
Start	20011	End	24893
Name	OJ990419_07.9923.C1.o4.tm	Method	TBLASTX:Maize
Start	11043	End	11473
GI	none	Score	53
Exons	11043..11105, 11129..11371, 11414..11473		

Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63285	Strand	-
Start	20011	End	24893
Name	OJ990419_07.9923.C1.o7.tw	Method	TBLASTX:Wheat
Start	14538	End	14930
GI	none	Score	58
Exons	14538..14582, 14583..14696, 14702..14929	14594..14644, 14655..14930,	

Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63285	Strand	-
Start	20011	End	24893
Name	OJ990419_07.9923.C1.o4.tw	Method	TBLASTX:Wheat
Start	15561	End	16006
GI	none	Score	141
Exons	15561..15743, 15569..15670, 15931..15996	15773..16006, 15775..15888,	

Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63285	Strand	-
Start	20011	End	24893
Name	OJ990419_07.9923.C1.o1.tw	Method	TBLASTX:Wheat
Start	16198	End	16654
GI	none	Score	550
Exons	16198..16653, 16199..16654		

Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63285	Strand	-
Start	20011	End	24893
Name	OJ990419_07.9923.C1.o3.ts	Method	TBLASTX:Soybean
Start	16238	End	16603
GI	none	Score	112
Exons	16238..16462, 16469..16603		

Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63285	Strand	-
Start	20011	End	24893
Name	OJ990419_07.9923.C1.o1.tm	Method	TBLASTX:Maize
Start	16328	End	16684
GI	none	Score	419
Exons	16328..16684, 16382..16630, 16390..16656		

Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63285	Strand	-
Start	20011	End	24893
Name	OJ990419_07.9923.C1.o2.tm	Method	TBLASTX:Maize
Start	16711	End	17095
GI	none	Score	338
Exons	16711..17094, 16715..17095		

Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63285	Strand	-
Start	20011	End	24893
Name	OJ990419_07.9923.C1.o2.tw	Method	TBLASTX:Wheat
Start	16769	End	17193
GI	none	Score	465
Exons	16769..17191, 16774..17193		

Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63285	Strand	-
Start	20011	End	24893
Name	OJ990419_07.9923.C1.o1.ts	Method	TBLASTX:Soybean
Start	16817	End	17248
GI	none	Score	316
Exons	16817..17248, 16849..17187		

Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63285	Strand	-
Start	20011	End	24893
Name	OJ990419_07.9923.C1.o6.tw	Method	TBLASTX:Wheat
Start	17339	End	17746
GI	none	Score	212
Exons	17339..17563, 17404..17565, 17431..17565, 17573..17746, 17666..17746		

Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63285	Strand	-
Start	20011	End	24893
Name	OJ990419_07.9923.C1.o8.tw	Method	TBLASTX:Wheat
Start	17785	End	18106
GI	none	Score	192
Exons	17785..17925, 17786..18106		

Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63285	Strand	-
Start	20011	End	24893
Name	OJ990419_07.9923.C1.o3.tm	Method	TBLASTX:Maize
Start	18248	End	18553
GI	none	Score	337
Exons	18248..18553, 18265..18552		

Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63285	Strand	-
Start	20011	End	24893
Name	OJ990419_07.9923.C1.o5.tw	Method	TBLASTX:Wheat
Start	18248	End	18631
GI	none	Score	344
Exons	18248..18631, 18256..18630		

Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63285	Strand	-
Start	20011	End	24893
Name	OJ990419_07.9923.C1.o3.tw	Method	TBLASTX:Wheat
Start	18755	End	19363
GI	none	Score	359
Exons	18755..19207, 18769..18855, 18904..19011, 19232..19363,		

19237..19362

Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63285	Strand	-
Start	20011	End	24893
Name	OJ990419_07.9923.C1.o4.gs	Method	GENSCAN
Start	20011	End	24893
GI	none	Score	42
Exons	20011..20510, 20915..21449, 21504..21639, 21709..21767, 21838..22023, 22091..22215, 22382..22513, 22917..23045, 23478..23620, 23696..23804, 23901..23960, 24839..24893		

Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63285	Strand	-
Start	20011	End	24893
Name	OJ990419_07.9923.C1.o4.np	Method	AAT/NAP
Start	20877	End	22679
GI	6721561	Score	1012
Exons	20877..21639, 21709..21767, 21838..22028, 22616..22679		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63285	Strand	-
Start	20011	End	24893
Name	OJ990419_07.9923.C1.o5.np	Method	AAT/NAP
Start	20996	End	23016
GI	6721558	Score	272
Exons	20996..21112, 21546..21635, 22091..22215, 22917..23016		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	30616	Seq. ID	OJ990419_07.9923.C1
Gene No.	63285	Strand	-
Start	20011	End	24893
Name	OJ990419_07.9923.C1.o6.np	Method	AAT/NAP
Start	22229	End	23960
GI	6721512	Score	84
Exons	22229..22249, 23844..23960		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	30617	Seq. ID	OJ990419_07.9923.C2
Gene No.	63286	Strand	+
Start	86	End	10028
Name	OJ990419_07.9923.C2.o1.np	Method	AAT/NAP
Start	86	End	2542
GI	4587598	Score	974
Exons	86..157, 410..496, 589..740, 1050..1130, 1221..1254, 1502..1568, 1643..1719, 1851..1911, 2067..2149, 2233..2304, 2384..2542		
GI Descrip.	(AC006951) 3-oxoacyl carrier protein synthase [Arabidopsis thaliana]		

Seq. No.	30617	Seq. ID	OJ990419_07.9923.C2

Gene No.	63286	Strand	+
Start	86	End	10028
Name	OJ990419_07.9923.C2.o1.gs	Method	GENSCAN
Start	401	End	9807
GI	none	Score	.62
Exons	401..496, 589..740, 1050..1254, 1851..1911, 2067..2149, 2384..2520, 3687..3741, 6321..6533, 6593..6722, 7303..7361, 7450..7574, 7667..7741, 8087..8162, 8362..8461, 8828..8898, 8999..9061, 9502..9627, 9745..9807		

Seq. No.	30617	Seq. ID	OJ990419_07.9923.C2
Gene No.	63286	Strand	+
Start	86	End	10028
Name	OJ990419_07.9923.C2.o1.gp	Method	AAT/GAP
Start	6422	End	8404
GI	22743_1.R1084	Score	1332
Exons	6422..6722, 6916..6994, 7303..7361, 7450..7574, 7667..7741, 8087..8162, 8362..8404		
GI Descrip.	'3157928 6.0e-69 (AC002131) Similar to fumarylacetoacetate hydrolase, gb_L41670 from Emericella nidulans. [Arabidopsis thaliana]'		

Seq. No.	30617	Seq. ID	OJ990419_07.9923.C2
Gene No.	63286	Strand	+
Start	86	End	10028
Name	OJ990419_07.9923.C2.o2.np	Method	AAT/NAP
Start	6507	End	9804
GI	3157928	Score	1195
Exons	6507..6722, 6916..6997, 7112..7147, 7294..7361, 7450..7574, 7667..7741, 8087..8162, 8362..8461, 8536..8595, 8828..8898, 8999..9061, 9337..9411, 9502..9627, 9745..9804		
GI Descrip.	(AC002131) Similar to fumarylacetoacetate hydrolase, gb|L41670 from Emericella nidulans. [Arabidopsis thaliana]		

Seq. No.	30617	Seq. ID	OJ990419_07.9923.C2
Gene No.	63286	Strand	+
Start	86	End	10028
Name	OJ990419_07.9923.C2.o2.gp	Method	AAT/GAP
Start	9172	End	10028
GI	35223_1.R1084	Score	1045
Exons	9172..9228, 9315..9411, 9502..9627, 9745..10028		
GI Descrip.	'4557587/ref|NP_000128.1|pFAH| 1.0e-38 fumarylacetoacetase >gi_119778_sp_P16930_FAAA_HUMAN FUMARYLACETOACETASE (FUMARYLACETOACETATE HYDROLASE) (BETA-DIKETONASE) (FAA) >gi_106043_pir__A37926 fumarylacetoacetase (EC 3.7.1.2) - human >gi_182393 (M55150) fumarylacetoacetate hydrolase [Homo sapiens]'		

Seq. No.	30617	Seq. ID	OJ990419_07.9923.C2
Gene No.	63287	Strand	-
Start	10971	End	13451
Name	OJ990419_07.9923.C2.o4.tm	Method	TBLASTX:Maize
Start	1615	End	2470
GI	none	Score	130
Exons	1615..1731, 1638..1715, 1799..1912, 1821..1913, 1850..1915, 2063..2149, 2065..2148, 2066..2149, 2067..2150, 2068..2151, 2230..2304, 2230..2304, 2383..2469, 2384..2470		

Seq. No.	30617	Seq. ID	OJ990419_07.9923.C2
Gene No.	63287	Strand	-
Start	10971	End	13451
Name	OJ990419_07.9923.C2.o2.tm	Method	TBLASTX:Maize
Start	6459	End	9815
GI	none	Score	129
Exons	6459..6584, 6488..6613, 6584..6724, 6624..6722, 6913..6993, 6915..6992, 7292..7360, 7293..7361, 7449..7574, 7450..7575, 7459..7575, 7460..7591, 7665..7739, 7667..7741, 7667..7741, 7668..7763, 8084..8161, 8085..8174, 8091..8165, 8360..8464, 8361..8459, 8362..8466, 8367..8465, 8514..8597, 8532..8627, 8534..8623, 8823..8900, 8827..8910, 8830..8898, 8990..9058, 8995..9063, 8996..9064, 9151..9231, 9161..9229, 9309..9410, 9315..9413, 9316..9411, 9316..9420, 9501..9626, 9502..9627, 9514..9627, 9735..9815, 9742..9813		

Seq. No.	30617	Seq. ID	OJ990419_07.9923.C2
Gene No.	63287	Strand	-
Start	10971	End	13451
Name	OJ990419_07.9923.C2.o2.ts	Method	TBLASTX:Soybean
Start	6501	End	9615
GI	none	Score	102
Exons	6501..6584, 6521..6613, 6620..6697, 6624..6707, 6910..6993, 6912..6992, 7293..7370, 7449..7577, 7450..7575, 7459..7593, 7668..7763, 7676..7741, 8084..8167, 8085..8174, 8358..8459, 8362..8466, 8367..8459, 8368..8469, 8369..8470, 8532..8594, 8534..8584, 8823..8900, 8827..8898, 8995..9060, 8996..9061, 9143..9229, 9315..9413, 9316..9411, 9501..9614, 9502..9615		

Seq. No.	30617	Seq. ID	OJ990419_07.9923.C2
Gene No.	63287	Strand	-
Start	10971	End	13451
Name	OJ990419_07.9923.C2.o2.tw	Method	TBLASTX:Wheat
Start	7341	End	8436
GI	none	Score	34
Exons	7341..7361, 7449..7574, 7450..7575, 7453..7575, 7458..7577, 7665..7739, 7667..7741, 7668..7763, 8085..8174, 8085..8165, 8361..8435, 8362..8436, 8365..8436		

Seq. No.	30617	Seq. ID	OJ990419_07.9923.C2
Gene No.	63287	Strand	-
Start	10971	End	13451
Name	OJ990419_07.9923.C2.o3.gp	Method	AAT/GAP
Start	10971	End	11682
GI	30310_1.R1084	Score	1354
Exons	10971..11682		
GI Descrip.	'548493/sp|P35339|PGLT_MAIZE 9.0e-35 EXOPOLYGALACTURONASE PRECURSOR (EXOPG) (PECTINASE) (GALACTURAN 1,4-ALPHA-GALACTURONIDASE) >gi_629854_pir__S30067 polygalacturonase - maize >gi_288612_emb_CAA47052_ (X66422) polygalacturonase [Zea mays]'		

Seq. No.	30617	Seq. ID	OJ990419_07.9923.C2
Gene No.	63287	Strand	-
Start	10971	End	13451
Name	OJ990419_07.9923.C2.o2.gs	Method	GENSCAN

Start	11304	End	13389
GI	none	Score	.98
Exons	11304..11742, 12242..12549, 13096..13389		

Seq. No.	30617	Seq. ID	OJ990419_07.9923.C2
Gene No.	63287	Strand	-
Start	10971	End	13451
Name	OJ990419_07.9923.C2.o1.tm	Method	TBLASTX:Maize
Start	11307	End	12454
GI	none	Score	107
Exons	11307..11444, 11307..11759, 11311..11760, 12238..12453, 12242..12454		

Seq. No.	30617	Seq. ID	OJ990419_07.9923.C2
Gene No.	63287	Strand	-
Start	10971	End	13451
Name	OJ990419_07.9923.C2.o1.ts	Method	TBLASTX:Soybean
Start	11307	End	13233
GI	none	Score	71
Exons	11307..11534, 11310..11429, 11311..11526, 11541..11759, 11554..11760, 12110..12148, 12238..12549, 12242..12550, 13132..13233		

Seq. No.	30617	Seq. ID	OJ990419_07.9923.C2
Gene No.	63287	Strand	-
Start	10971	End	13451
Name	OJ990419_07.9923.C2.o3.np	Method	AAT/NAP
Start	11307	End	13451
GI	548493	Score	1112
Exons	11307..11742, 12242..12549, 13096..13451		
GI Descrip.	EXOPOLYGALACTURONASE PRECURSOR (EXOPG) (PECTINASE) (GALACTURAN 1,4-ALPHA-GALACTURONIDASE) gi|629854|pir||S30067 polygalacturonase - maize gi|288612|emb|CAA47052| (X66422) polygalacturonase [Zea mays]		

Seq. No.	30617	Seq. ID	OJ990419_07.9923.C2
Gene No.	63287	Strand	-
Start	10971	End	13451
Name	OJ990419_07.9923.C2.o1.tc	Method	TBLASTX:Cress
Start	11310	End	13416
GI	none	Score	117
Exons	11310..11759, 11425..11613, 12232..12549, 12233..12490, 13099..13230, 13282..13416		

Seq. No.	30617	Seq. ID	OJ990419_07.9923.C2
Gene No.	63287	Strand	-
Start	10971	End	13451
Name	OJ990419_07.9923.C2.o1.tw	Method	TBLASTX:Wheat
Start	12382	End	13368
GI	none	Score	141
Exons	12382..12549, 12383..12550, 13096..13368, 13097..13222, 13298..13366		

Seq. No.	30617	Seq. ID	OJ990419_07.9923.C2
Gene No.	63287	Strand	-
Start	10971	End	13451
Name	OJ990419_07.9923.C2.o3.tm	Method	TBLASTX:Maize

Start	12455	End	13450
GI	none	Score	87
Exons	12455..12550, 12455..12547, 12457..12549, 13096..13449, 13100..13222, 13298..13450		

Seq. No.	30617	Seq. ID	OJ990419_07.9923.C2
Gene No.	63287	Strand	-
Start	10971	End	13451
Name	OJ990419_07.9923.C2.o4.gp	Method	AAT/GAP
Start	13214	End	13451
GI	uC-osf1M202035c05b1	Score	476
Exons	13214..13451		
GI Descrip.	'4826572/emb|CAB42886.1| 3.0e-12 (AJ238848) polygalacturonase [Phleum pratense]'		

Seq. No.	30618	Seq. ID	OJ990419_07.9923.C3
Gene No.	63288	Strand	+
Start	10426	End	12265
Name	OJ990419_07.9923.C3.o2.np	Method	AAT/NAP
Start	10426	End	12265
GI	6006367	Score	68
Exons	10426..10465, 11940..12099, 12230..12265		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	30618	Seq. ID	OJ990419_07.9923.C3
Gene No.	63289	Strand	-
Start	1	End	11832
Name	OJ990419_07.9923.C3.o1.np	Method	AAT/NAP
Start	1	End	6092
GI	6633848	Score	2531
Exons	1..169, 933..1327, 1423..1908, 2016..2154, 2227..2501, 3007..3174, 3257..3728, 3904..4649, 5493..5747, 6059..6092		
GI Descrip.	(AC008047) F2K11.18 [Arabidopsis thaliana]		

Seq. No.	30618	Seq. ID	OJ990419_07.9923.C3
Gene No.	63289	Strand	-
Start	1	End	11832
Name	OJ990419_07.9923.C3.o1.gs	Method	GENSCAN
Start	426	End	11832
GI	none	Score	.6
Exons	426..491, 908..1327, 1423..1908, 2016..2138, 2247..2501, 3007..3174, 3257..3728, 3904..4649, 5493..5755, 8018..8176, 9328..9574, 11488..11832		

Seq. No.	30618	Seq. ID	OJ990419_07.9923.C3
Gene No.	63289	Strand	-
Start	1	End	11832
Name	OJ990419_07.9923.C3.o1.gp	Method	AAT/GAP
Start	649	End	1253
GI	16664_1.R1084	Score	1159
Exons	649..1253		
GI Descrip.	'2660670 6.0e-29 (AC002342) putative Cu2+-transporting ATPase [Arabidopsis thaliana]'		

Seq. No.	30618	Seq. ID	OJ990419_07.9923.C3
Gene No.	63289	Strand	-
Start	1	End	11832

Name	OJ990419_07.9923.C3.o1.ts	Method	TBLASTX:Soybean
Start	938	End	1818
GI	none	Score	365
Exons	938..1330, 957..1334, 1402..1818, 1424..1702		

Seq. No.	30618	Seq. ID	OJ990419_07.9923.C3
Gene No.	63289	Strand	-
Start	1	End	11832
Name	OJ990419_07.9923.C3.o3.tm	Method	TBLASTX:Maize
Start	951	End	1262
GI	none	Score	289
Exons	951..1043, 956..1261, 957..1262, 1089..1262		

Seq. No.	30618	Seq. ID	OJ990419_07.9923.C3
Gene No.	63289	Strand	-
Start	1	End	11832
Name	OJ990419_07.9923.C3.o1.tc	Method	TBLASTX:Cress
Start	956	End	1494
GI	none	Score	132
Exons	956..1153, 957..1151, 1139..1330, 1143..1337, 1423..1494, 1424..1492		

Seq. No.	30618	Seq. ID	OJ990419_07.9923.C3
Gene No.	63289	Strand	-
Start	1	End	11832
Name	OJ990419_07.9923.C3.o5.tm	Method	TBLASTX:Maize
Start	1283	End	1662
GI	none	Score	116
Exons	1283..1330, 1402..1662, 1424..1660		

Seq. No.	30618	Seq. ID	OJ990419_07.9923.C3
Gene No.	63289	Strand	-
Start	1	End	11832
Name	OJ990419_07.9923.C3.o2.tm	Method	TBLASTX:Maize
Start	1665	End	1908
GI	none	Score	45
Exons	1665..1694, 1665..1898, 1666..1899, 1666..1908, 1793..1903		

Seq. No.	30618	Seq. ID	OJ990419_07.9923.C3
Gene No.	63289	Strand	-
Start	1	End	11832
Name	OJ990419_07.9923.C3.o2.gp	Method	AAT/GAP
Start	1815	End	3088
GI	uC-osrocyp007e10b1	Score	1032
Exons	1815..1908, 2016..2138, 2247..2501, 3007..3088		
GI Descrip.	'4760370/gb|AAD29109.1|AF082565_1 2.0e-53 (AF082565) ATP dependent copper transporter [Arabidopsis thaliana] >gi_4760380_gb_AAD29115.1_ (AF091112) ATP dependent copper transporter [Arabidopsis thaliana]'		

Seq. No.	30618	Seq. ID	OJ990419_07.9923.C3
Gene No.	63289	Strand	-
Start	1	End	11832
Name	OJ990419_07.9923.C3.o2.ts	Method	TBLASTX:Soybean
Start	1849	End	3072
GI	none	Score	56
Exons	1849..1911, 2013..2141, 2056..2139, 2229..2477, 2244..2501,		

2245..2502, 2986..3072

Seq. No.	30618	Seq. ID	OJ990419_07.9923.C3
Gene No.	63289	Strand	-
Start	1	End	11832
Name	OJ990419_07.9923.C3.o4.tm	Method	TBLASTX:Maize
Start	2016	End	2505
GI	none	Score	53
Exons	2016..2138, 2056..2139, 2229..2486, 2230..2505, 2232..2501		

Seq. No.	30618	Seq. ID	OJ990419_07.9923.C3
Gene No.	63289	Strand	-
Start	1	End	11832
Name	OJ990419_07.9923.C3.o3.tc	Method	TBLASTX:Cress
Start	2076	End	4568
GI	none	Score	46
Exons	2076..2138, 2083..2139, 2232..2399, 2257..2376, 2995..3177, 4452..4568		

Seq. No.	30618	Seq. ID	OJ990419_07.9923.C3
Gene No.	63289	Strand	-
Start	1	End	11832
Name	OJ990419_07.9923.C3.o1.tm	Method	TBLASTX:Maize
Start	3004	End	3409
GI	none	Score	213
Exons	3004..3174, 3004..3177, 3099..3197, 3254..3409, 3254..3409		

Seq. No.	30618	Seq. ID	OJ990419_07.9923.C3
Gene No.	63289	Strand	-
Start	1	End	11832
Name	OJ990419_07.9923.C3.o2.tc	Method	TBLASTX:Cress
Start	3269	End	3539
GI	none	Score	46
Exons	3269..3538, 3273..3329, 3286..3501, 3411..3539		

Seq. No.	30618	Seq. ID	OJ990419_07.9923.C3
Gene No.	63289	Strand	-
Start	1	End	11832
Name	OJ990419_07.9923.C3.o4.ts	Method	TBLASTX:Soybean
Start	3278	End	3496
GI	none	Score	87
Exons	3278..3481, 3278..3496		

Seq. No.	30618	Seq. ID	OJ990419_07.9923.C3
Gene No.	63289	Strand	-
Start	1	End	11832
Name	OJ990419_07.9923.C3.o6.tm	Method	TBLASTX:Maize
Start	3410	End	3580
GI	none	Score	149
Exons	3410..3580, 3411..3578		

Seq. No.	30618	Seq. ID	OJ990419_07.9923.C3
Gene No.	63289	Strand	-
Start	1	End	11832
Name	OJ990419_07.9923.C3.o3.ts	Method	TBLASTX:Soybean
Start	3497	End	3697
GI	none	Score	192

Exons	3497..3697, 3498..3695		
Seq. No.	30618	Seq. ID	OJ990419_07.9923.C3
Gene No.	63289	Strand	-
Start	1	End	11832
Name	OJ990419_07.9923.C3.o3.gp	Method	AAT/GAP
Start	4538	End	6558
GI	none	Score	938
Exons	4538..4649, 5493..5755, 6435..6558		
Seq. No.	30619	Seq. ID	OJ990419_07.9923.C4
Gene No.	63290	Strand	+
Start	1	End	970
Name	OJ990419_07.9923.C4.o2.np	Method	AAT/NAP
Start	1	End	970
GI	6967093	Score	128
Exons	1..194, 731..970		
GI Descrip.	(AL132953) putative protein [Arabidopsis thaliana]		
Seq. No.	30619	Seq. ID	OJ990419_07.9923.C4
Gene No.	63290	Strand	+
Start	1	End	970
Name	OJ990419_07.9923.C4.o3.np	Method	AAT/NAP
Start	1	End	970
GI	22490	Score	162
Exons	1..89, 735..970		
GI Descrip.	(X01380) ORF1 [Zea mays]		
Seq. No.	30619	Seq. ID	OJ990419_07.9923.C4
Gene No.	63290	Strand	+
Start	1	End	970
Name	OJ990419_07.9923.C4.o1.tm	Method	TBLASTX:Maize
Start	41	End	561
GI	none	Score	283
Exons	41..295, 58..297, 60..299, 86..295, 123..296, 124..297, 273..323, 383..490, 385..501, 386..502, 491..556, 496..561, 497..559		
Seq. No.	30619	Seq. ID	OJ990419_07.9923.C4
Gene No.	63290	Strand	+
Start	1	End	970
Name	OJ990419_07.9923.C4.o1.gs	Method	GENSCAN
Start	388	End	921
GI	none	Score	.58
Exons	388..570, 663..921		
Seq. No.	30619	Seq. ID	OJ990419_07.9923.C4
Gene No.	63290	Strand	+
Start	1	End	970
Name	OJ990419_07.9923.C4.o2.tm	Method	TBLASTX:Maize
Start	798	End	968
GI	none	Score	108
Exons	798..911, 802..921, 802..915, 804..917, 919..963, 920..967, 921..968		
Seq. No.	30620	Seq. ID	OJ990419_07.9923.C5
Gene No.	63291	Strand	-

Start	1	End	738
Name	OJ990419_07.9923.C5.o1.np	Method	AAT/NAP
Start	1	End	738
GI	6630685	Score	872
Exons	1..738		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	30620	Seq. ID	OJ990419_07.9923.C5
Gene No.	63291	Strand	-
Start	1	End	738
Name	OJ990419_07.9923.C5.o2.tm	Method	TBLASTX:Maize
Start	1	End	176
GI	none	Score	173
Exons	1..168, 2..175, 3..176		

Seq. No.	30620	Seq. ID	OJ990419_07.9923.C5
Gene No.	63291	Strand	-
Start	1	End	738
Name	OJ990419_07.9923.C5.o1.gs	Method	GENSCAN
Start	7	End	208
GI	none	Score	.55
Exons	7..208		

Seq. No.	30620	Seq. ID	OJ990419_07.9923.C5
Gene No.	63291	Strand	-
Start	1	End	738
Name	OJ990419_07.9923.C5.o1.tm	Method	TBLASTX:Maize
Start	217	End	678
GI	none	Score	154
Exons	217..531, 220..678, 224..643, 565..675		

Seq. No.	30620	Seq. ID	OJ990419_07.9923.C5
Gene No.	63291	Strand	-
Start	1	End	738
Name	OJ990419_07.9923.C5.o1.ts	Method	TBLASTX:Soybean
Start	344	End	678
GI	5509260	Score	239
Exons	344..643, 344..430, 349..678, 352..675		
GI Descrip.	-		

Seq. No.	30620	Seq. ID	OJ990419_07.9923.C5
Gene No.	63291	Strand	-
Start	1	End	738
Name	OJ990419_07.9923.C5.o1.tw	Method	TBLASTX:Wheat
Start	352	End	678
GI	none	Score	93
Exons	352..528, 361..678, 368..643, 571..678		

Seq. No.	30621	Seq. ID	OJ990419_07.9923.C6
Gene No.	63292	Strand	-
Start	1	End	542
Name	OJ990419_07.9923.C6.o1.np	Method	AAT/NAP
Start	1	End	533
GI	4587598	Score	155
Exons	1..31, 284..355, 435..533		
GI Descrip.	(AC006951) 3-oxoacyl carrier protein synthase [Arabidopsis		

thaliana]

Seq. No.	30621	Seq. ID	OJ990419_07.9923.C6
Gene No.	63292	Strand	-
Start	1	End	542
Name	OJ990419_07.9923.C6.o1.gs	Method	GENSCAN
Start	419	End	542
GI	none	Score	.95
Exons	419..542		

Seq. No.	30622	Seq. ID	OJ990419_07.9923.C7
Gene No.	63293	Strand	+
Start	222	End	708
Name	OJ990419_07.9923.C7.o1.gs	Method	GENSCAN
Start	222	End	708
GI	none	Score	.87
Exons	222..307, 342..708		

Seq. No.	30623	Seq. ID	OJ990419_07.9923.C8
Gene No.	63294	Strand	+
Start	50	End	142
Name	OJ990419_07.9923.C8.o1.gs	Method	GENSCAN
Start	50	End	142
GI	none	Score	.59
Exons	50..142		

Seq. No.	30624	Seq. ID	OJ990419_07.9923.C9
Gene No.	63295	Strand	-
Start	1	End	668
Name	OJ990419_07.9923.C9.o1.np	Method	AAT/NAP
Start	1	End	668
GI	6721516	Score	267
Exons	1..473, 650..668		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	30625	Seq. ID	OJ990419_07.9923.C10
Gene No.	63296	Strand	-
Start	467	End	585
Name	OJ990419_07.9923.C10.o1.gp	Method	AAT/GAP
Start	467	End	585
GI	2312476	Score	211
Exons	467..585		
GI Descrip.	2689720 6.0e-33 (AF037168) DnaJ homologue [Arabidopsis thaliana]		

Seq. No.	30626	Seq. ID	OJ990419_07.9923.C12
Gene No.	63297	Strand	+
Start	1	End	787
Name	OJ990419_07.9923.C12.o1.np	Method	AAT/NAP
Start	1	End	787
GI	6633848	Score	390
Exons	1..56, 268..542, 615..787		
GI Descrip.	(AC008047) F2K11.18 [Arabidopsis thaliana]		

Seq. No.	30626	Seq. ID	OJ990419_07.9923.C12
Gene No.	63297	Strand	+
Start	1	End	787
Name	OJ990419_07.9923.C12.o1.tm	Method	TBLASTX:Maize

Start	264	End	725
GI	none	Score	277
Exons	264..539, 268..537, 283..540, 630..725, 631..720		

Seq. No.	30626	Seq. ID	OJ990419_07.9923.C12
Gene No.	63297	Strand	+
Start	1	End	787
Name	OJ990419_07.9923.C12.o1.gp	Method	AAT/GAP
Start	266	End	732
GI	uC-osrocyp007e10b1	Score	653
Exons	266..522, 631..732		
GI Descrip.	'4760370/gb|AAD29109.1|AF082565_1 2.0e-53 (AF082565) ATP dependent copper transporter [Arabidopsis thaliana] >gi_4760380_gb_AAD29115.1_ (AF091112) ATP dependent copper transporter [Arabidopsis thaliana]'		

Seq. No.	30626	Seq. ID	OJ990419_07.9923.C12
Gene No.	63297	Strand	+
Start	1	End	787
Name	OJ990419_07.9923.C12.o1.ts	Method	TBLASTX:Soybean
Start	267	End	728
GI	none	Score	362
Exons	267..524, 268..525, 292..540, 628..726, 630..728		

Seq. No.	30626	Seq. ID	OJ990419_07.9923.C12
Gene No.	63297	Strand	+
Start	1	End	787
Name	OJ990419_07.9923.C12.o1.gs	Method	GENSCAN
Start	268	End	699
GI	none	Score	.84
Exons	268..522, 631..699		

Seq. No.	30626	Seq. ID	OJ990419_07.9923.C12
Gene No.	63297	Strand	+
Start	1	End	787
Name	OJ990419_07.9923.C12.o1.tc	Method	TBLASTX:Cress
Start	370	End	693
GI	none	Score	170
Exons	370..537, 393..512, 630..686, 631..693		

Seq. No.	30627	Seq. ID	OJ990419_07.9923.C14
Gene No.	63298	Strand	-
Start	1	End	1130
Name	OJ990419_07.9923.C14.o1.np	Method	AAT/NAP
Start	1	End	942
GI	2493240	Score	81
Exons	1..35, 288..443, 730..942		
GI Descrip.	HYPOTHETICAL 29.3 KD PROTEIN (ORF92) gi|1911338 (U75930) unknown [Orgyia pseudotsugata nuclear polyhedrosis virus]		

Seq. No.	30627	Seq. ID	OJ990419_07.9923.C14
Gene No.	63298	Strand	-
Start	1	End	1130
Name	OJ990419_07.9923.C14.o1.gs	Method	GENSCAN
Start	673	End	1130
GI	none	Score	.58
Exons	673..902, 948..1130		

Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63299	Strand	+
Start	7165	End	10630
Name	OJ990419_07.9923.C15.o4.np	Method	AAT/NAP
Start	7165	End	10630
GI	6721516	Score	508
Exons	7165..7195, 8916..9157, 9572..9972, 10601..10630		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o1.gs	Method	GENSCAN
Start	509	End	8530
GI	none	Score	.48
Exons	509..1038, 1075..1809, 3789..3962, 4164..6293, 6883..8530		

Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o1.tm	Method	TBLASTX:Maize
Start	3378	End	4140
GI	none	Score	82
Exons	3378..3434, 3453..3575, 3462..3575, 3464..4138, 3478..4140		

Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o2.ts	Method	TBLASTX:Soybean
Start	3466	End	4131
GI	none	Score	64
Exons	3466..3714, 3539..3706, 3748..4119, 3748..4131, 3755..4126		

Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o1.np	Method	AAT/NAP
Start	3472	End	6567
GI	4416302	Score	3406
Exons	3472..6567		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o1.tc	Method	TBLASTX:Cress
Start	3493	End	3951
GI	none	Score	65
Exons	3493..3738, 3724..3858, 3862..3951		

Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o6.tw	Method	TBLASTX:Wheat
Start	3526	End	3858
GI	none	Score	57

Exons	3526..3714, 3539..3658, 3733..3858, 3737..3838		
Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o3.tw	Method	TBLASTX:Wheat
Start	3895	End	4326
GI	none	Score	102
Exons	3895..4152, 4165..4326		
Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o7.tm	Method	TBLASTX:Maize
Start	4141	End	4333
GI	none	Score	196
Exons	4141..4332, 4142..4333		
Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o3.tm	Method	TBLASTX:Maize
Start	4375	End	4842
GI	none	Score	442
Exons	4375..4842, 4382..4840, 4723..4842		
Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o1.ts	Method	TBLASTX:Soybean
Start	4502	End	5115
GI	5509260	Score	409
Exons	4502..5020, 4502..4588, 4507..5115, 4510..5022		
GI Descrip.	-		
Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o1.tw	Method	TBLASTX:Wheat
Start	4510	End	4986
GI	none	Score	93
Exons	4510..4686, 4519..4863, 4526..4855, 4729..4857, 4864..4890, 4897..4986		
Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o2.tc	Method	TBLASTX:Cress
Start	4621	End	4894
GI	none	Score	77
Exons	4621..4893, 4748..4894		
Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o4.tm	Method	TBLASTX:Maize
Start	4843	End	5130

GI	none	Score	58
Exons	4843..4893, 4844..4891, 4882..5130, 4883..5110		

Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o2.tm	Method	TBLASTX:Maize
Start	5131	End	5991
GI	none	Score	48
Exons	5131..5286, 5203..5241, 5234..5293, 5302..5919, 5342..5920, 5918..5965, 5920..5991		

Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o5.tw	Method	TBLASTX:Wheat
Start	5227	End	5568
GI	none	Score	42
Exons	5227..5316, 5237..5275, 5331..5474, 5338..5475, 5338..5484, 5491..5568		

Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o3.ts	Method	TBLASTX:Soybean
Start	5350	End	5811
GI	none	Score	53
Exons	5350..5811, 5402..5554, 5621..5782		

Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o3.tc	Method	TBLASTX:Cress
Start	5353	End	5769
GI	none	Score	188
Exons	5353..5769		

Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o2.np	Method	AAT/NAP
Start	5638	End	8603
GI	4416301	Score	263
Exons	5638..5780, 7442..7827, 7867..8603		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o2.tw	Method	TBLASTX:Wheat
Start	5653	End	6213
GI	none	Score	143
Exons	5653..5940, 5662..5940, 5971..6057, 5980..6057, 6055..6213		

Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626

Name	OJ990419_07.9923.C15.o6.tm	Method	TBLASTX:Maize
Start	5998	End	6352
GI	none	Score	119
Exons	5998..6081, 6055..6240, 6058..6252, 6065..6256, 6065..6256, 6245..6352, 6247..6336		

Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o4.tw	Method	TBLASTX:Wheat
Start	6286	End	6603
GI	none	Score	90
Exons	6286..6603, 6368..6589		

Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o5.tm	Method	TBLASTX:Maize
Start	6355	End	6739
GI	none	Score	61
Exons	6355..6618, 6364..6597, 6645..6737, 6647..6739		

Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o4.ts	Method	TBLASTX:Soybean
Start	6457	End	8626
GI	none	Score	83
Exons	6457..6507, 6532..6597, 6647..6709, 8108..8440, 8504..8626		

Seq. No.	30628	Seq. ID	OJ990419_07.9923.C15
Gene No.	63300	Strand	-
Start	509	End	8626
Name	OJ990419_07.9923.C15.o7.tw	Method	TBLASTX:Wheat
Start	8204	End	8593
GI	none	Score	89
Exons	8204..8446, 8459..8593		

Seq. No.	30629	Seq. ID	OJ990419_07.9923.C16
Gene No.	63301	Strand	+
Start	148	End	10483
Name	OJ990419_07.9923.C16.o1.gs	Method	GENSCAN
Start	148	End	9568
GI	none	Score	.67
Exons	148..297, 430..519, 1563..1826, 1837..2035, 2953..3123, 3141..3484, 3589..3682, 4190..4272, 4743..4840, 4955..5024, 5609..5702, 5791..5872, 6076..6111, 6425..6578, 6673..6816, 7784..7854, 7984..8062, 8147..8262, 8397..8544, 9036..9105, 9414..9568		

Seq. No.	30629	Seq. ID	OJ990419_07.9923.C16
Gene No.	63301	Strand	+
Start	148	End	10483
Name	OJ990419_07.9923.C16.o1.np	Method	AAT/NAP
Start	203	End	9565
GI	1652591	Score	302
Exons	203..251, 1551..1592, 3252..3484, 3589..3682, 4190..4286,		

	4753..4840, 4958..5024, 5609..5702, 5791..5872, 6407..6627, 7827..8206, 8300..8544, 9036..9105, 9414..9565		
GI Descrip.	(D90906) chloroplast import-associated channel IAP75 [Synechocystis sp.]		

Seq. No.	30629	Seq. ID	OJ990419_07.9923.C16
Gene No.	63301	Strand	+
Start	148	End	10483
Name	OJ990419_07.9923.C16.o2.np	Method	AAT/NAP
Start	7776	End	10483
GI	6523093	Score	232
Exons	7776..8062, 8147..8262, 8397..8544, 9045..9105, 9323..9550, 10323..10483		
GI Descrip.	(AL133315) putative protein [Arabidopsis thaliana]		

Seq. No.	30629	Seq. ID	OJ990419_07.9923.C16
Gene No.	63302	Strand	+
Start	15564	End	17567
Name	OJ990419_07.9923.C16.o3.np	Method	AAT/NAP
Start	15564	End	17567
GI	4836934	Score	97
Exons	15564..15615, 17053..17191, 17539..17567		
GI Descrip.	(AC006085) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30629	Seq. ID	OJ990419_07.9923.C16
Gene No.	63302	Strand	+
Start	15564	End	17567
Name	OJ990419_07.9923.C16.o3.gs	Method	GENSCAN
Start	16411	End	17148
GI	none	Score	.64
Exons	16411..17148		

Seq. No.	30629	Seq. ID	OJ990419_07.9923.C16
Gene No.	63303	Strand	-
Start	15694	End	15898
Name	OJ990419_07.9923.C16.o2.tm	Method	TBLASTX:Maize
Start	3442	End	6520
GI	none	Score	65
Exons	3442..3486, 3443..3487, 3548..3682, 3588..3683, 3589..3687, 3611..3685, 4188..4274, 4189..4278, 4742..4849, 4743..4850, 4946..4993, 4953..4994, 5606..5701, 5609..5701, 5776..5910, 5790..5834, 5836..5874, 6059..6121, 6067..6114, 6405..6512, 6417..6518, 6422..6520, 6422..6517		

Seq. No.	30629	Seq. ID	OJ990419_07.9923.C16
Gene No.	63303	Strand	-
Start	15694	End	15898
Name	OJ990419_07.9923.C16.o1.ts	Method	TBLASTX:Soybean
Start	4769	End	6840
GI	none	Score	97
Exons	4769..4846, 4770..4847, 4946..5026, 4953..5033, 5602..5700, 5614..5700, 5624..5737, 5787..5834, 6417..6578, 6422..6544, 6426..6578, 6664..6705, 6672..6704, 6706..6840, 6723..6839		

Seq. No.	30629	Seq. ID	OJ990419_07.9923.C16
Gene No.	63303	Strand	-
Start	15694	End	15898

Name	OJ990419_07.9923.C16.o1.tm	Method	TBLASTX:Maize
Start	6714	End	9087
GI	none	Score	99
Exons	6714..6815, 6714..6815, 6715..6816, 7781..7804, 7782..7802, 7804..7854, 7805..7852, 7982..8065, 7986..8066, 7989..8060, 8021..8062, 8146..8262, 8148..8273, 8150..8260, 8151..8261, 8152..8262, 8391..8549, 8395..8550, 9027..9083, 9037..9087		

Seq. No.	30629	Seq. ID	OJ990419_07.9923.C16
Gene No.	63303	Strand	-
Start	15694	End	15898
Name	OJ990419_07.9923.C16.o3.tm	Method	TBLASTX:Maize
Start	9414	End	9577
GI	none	Score	183
Exons	9414..9569, 9415..9570, 9476..9577, 9496..9576		

Seq. No.	30629	Seq. ID	OJ990419_07.9923.C16
Gene No.	63303	Strand	-
Start	15694	End	15898
Name	OJ990419_07.9923.C16.o1.gp	Method	AAT/GAP
Start	15694	End	15898
GI	LIB3477-003-P1-K1-E9	Score	109
Exons	15694..15732, 15832..15898		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	30630	Seq. ID	OJ990419_07.9923.C17
Gene No.	63304	Strand	+
Start	1	End	531
Name	OJ990419_07.9923.C17.o1.np	Method	AAT/NAP
Start	1	End	531
GI	4678280	Score	502
Exons	1..25, 73..531		
GI Descrip.	(AL049660) zinc finger-like protein [Arabidopsis thaliana]		

Seq. No.	30630	Seq. ID	OJ990419_07.9923.C17
Gene No.	63304	Strand	+
Start	1	End	531
Name	OJ990419_07.9923.C17.o1.gs	Method	GENSCAN
Start	78	End	518
GI	none	Score	.62
Exons	78..518		

Seq. No.	30630	Seq. ID	OJ990419_07.9923.C17
Gene No.	63305	Strand	+
Start	3504	End	3933
Name	OJ990419_07.9923.C17.o1.gp	Method	AAT/GAP
Start	3504	End	3933
GI	none	Score	794
Exons	3504..3933		

Seq. No.	30630	Seq. ID	OJ990419_07.9923.C17
Gene No.	63306	Strand	-
Start	1364	End	7805
Name	OJ990419_07.9923.C17.o2.tm	Method	TBLASTX:Maize
Start	72	End	227

GI	none	Score	84
Exons	72..116, 74..115, 110..226, 111..227		

Seq. No.	30630	Seq. ID	OJ990419_07.9923.C17
Gene No.	63306	Strand	-
Start	1364	End	7805
Name	OJ990419_07.9923.C17.o1.ts	Method	TBLASTX:Soybean
Start	75	End	413
GI	none	Score	68
Exons	75..116, 80..100, 111..413, 116..235, 311..346		

Seq. No.	30630	Seq. ID	OJ990419_07.9923.C17
Gene No.	63306	Strand	-
Start	1364	End	7805
Name	OJ990419_07.9923.C17.o2.gs	Method	GENSCAN
Start	1364	End	7720
GI	none	Score	.54
Exons	1364..1565, 4292..4409, 6220..6309, 7657..7720		

Seq. No.	30630	Seq. ID	OJ990419_07.9923.C17
Gene No.	63306	Strand	-
Start	1364	End	7805
Name	OJ990419_07.9923.C17.o2.ts	Method	TBLASTX:Soybean
Start	3907	End	6035
GI	none	Score	142
Exons	3907..3966, 4292..4411, 4292..4411, 4294..4419, 4472..4555, 4486..4554, 4626..4718, 4636..4704, 5631..5693, 5632..5688, 5987..6034, 5994..6035		

Seq. No.	30630	Seq. ID	OJ990419_07.9923.C17
Gene No.	63306	Strand	-
Start	1364	End	7805
Name	OJ990419_07.9923.C17.o1.tc	Method	TBLASTX:Cress
Start	4288	End	4706
GI	none	Score	114
Exons	4288..4413, 4292..4414, 4292..4411, 4294..4419, 4486..4554, 4490..4555, 4626..4706, 4635..4703, 4636..4704		

Seq. No.	30630	Seq. ID	OJ990419_07.9923.C17
Gene No.	63306	Strand	-
Start	1364	End	7805
Name	OJ990419_07.9923.C17.o1.tm	Method	TBLASTX:Maize
Start	4313	End	6308
GI	none	Score	148
Exons	4313..4411, 4315..4419, 4315..4419, 4472..4555, 4475..4549, 4486..4554, 4626..4718, 4638..4703, 5631..5693, 5632..5688, 5987..6049, 6000..6050, 6216..6308, 6218..6262, 6219..6281, 6220..6303		

Seq. No.	30630	Seq. ID	OJ990419_07.9923.C17
Gene No.	63306	Strand	-
Start	1364	End	7805
Name	OJ990419_07.9923.C17.o2.gp	Method	AAT/GAP
Start	6012	End	7805
GI	none	Score	920
Exons	6012..6048, 6220..6301, 6408..6497, 6603..6695, 6807..6865, 7657..7805		

Seq. No.	30630	Seq. ID	OJ990419_07.9923.C17
Gene No.	63306	Strand	-
Start	1364	End	7805
Name	OJ990419_07.9923.C17.o3.ts	Method	TBLASTX:Soybean
Start	6216	End	7721
GI	none	Score	109
Exons	6216..6317, 6218..6262, 6421..6498, 6424..6507, 6603..6698, 6603..6701, 6604..6699, 6807..6866, 6807..6866, 6808..6867, 7656..7721		

Seq. No.	30631	Seq. ID	OJ990419_07.9923.C18
Gene No.	63307	Strand	+
Start	7765	End	9034
Name	OJ990419_07.9923.C18.o2.gp	Method	AAT/GAP
Start	7765	End	8995
GI	3279_2.R1084	Score	494
Exons	7765..7833, 7941..8069, 8845..8995		
GI Descrip.	'2689720 6.0e-33 (AF037168) DnaJ homologue [Arabidopsis thaliana]'		

Seq. No.	30631	Seq. ID	OJ990419_07.9923.C18
Gene No.	63307	Strand	+
Start	7765	End	9034
Name	OJ990419_07.9923.C18.o2.np	Method	AAT/NAP
Start	8857	End	9034
GI	5031281	Score	173
Exons	8857..9034		
GI Descrip.	(AF139499) unknown [Prunus armeniaca]		

Seq. No.	30631	Seq. ID	OJ990419_07.9923.C18
Gene No.	63308	Strand	-
Start	647	End	7936
Name	OJ990419_07.9923.C18.o2.tm	Method	TBLASTX:Maize
Start	637	End	1288
GI	none	Score	76
Exons	637..726, 637..726, 645..728, 726..824, 726..821, 728..826, 734..862, 952..1044, 953..1048, 1214..1288, 1217..1288		

Seq. No.	30631	Seq. ID	OJ990419_07.9923.C18
Gene No.	63308	Strand	-
Start	647	End	7936
Name	OJ990419_07.9923.C18.o1.np	Method	AAT/NAP
Start	638	End	3911
GI	2689720	Score	677
Exons	638..862, 958..1043, 1219..1301, 1409..1515, 1600..1659, 1740..1841, 1916..2014, 3813..3911		
GI Descrip.	(AF037168) DnaJ homologue [Arabidopsis thaliana]		

Seq. No.	30631	Seq. ID	OJ990419_07.9923.C18
Gene No.	63308	Strand	-
Start	647	End	7936
Name	OJ990419_07.9923.C18.o1.gs	Method	GENSCAN
Start	647	End	7936
GI	none	Score	.76
Exons	647..854, 953..1043, 1219..1301, 1409..1515, 1600..1659, 1740..1841, 1916..2014, 3813..3911, 6447..6581, 7826..7936		

Seq. No.	30631	Seq. ID	OJ990419_07.9923.C18
Gene No.	63308	Strand	-
Start	647	End	7936
Name	OJ990419_07.9923.C18.o1.tc	Method	TBLASTX:Cress
Start	950	End	2023
GI	none	Score	104
Exons	950..1075, 952..1044, 1214..1366, 1218..1367, 1408..1518, 1409..1516, 1594..1650, 1735..1842, 1743..1844, 1916..2023, 1929..2012		

Seq. No.	30631	Seq. ID	OJ990419_07.9923.C18
Gene No.	63308	Strand	-
Start	647	End	7936
Name	OJ990419_07.9923.C18.o1.ts	Method	TBLASTX:Soybean
Start	1439	End	2023
GI	none	Score	99
Exons	1439..1564, 1441..1518, 1594..1656, 1720..1842, 1743..1844, 1910..2005, 1914..2012, 1916..2023		

Seq. No.	30631	Seq. ID	OJ990419_07.9923.C18
Gene No.	63308	Strand	-
Start	647	End	7936
Name	OJ990419_07.9923.C18.o1.gp	Method	AAT/GAP
Start	1467	End	3931
GI	2312476	Score	726
Exons	1467..1515, 1600..1659, 1740..1841, 1916..2014, 3813..3931		
GI Descrip.	2689720 6.0e-33 (AF037168) DnaJ homologue [Arabidopsis thaliana]		

Seq. No.	30631	Seq. ID	OJ990419_07.9923.C18
Gene No.	63308	Strand	-
Start	647	End	7936
Name	OJ990419_07.9923.C18.o1.tm	Method	TBLASTX:Maize
Start	1604	End	2036
GI	none	Score	75
Exons	1604..1657, 1605..1658, 1606..1662, 1738..1842, 1740..1844, 1741..1842, 1914..2036, 1916..2020		

Seq. No.	30631	Seq. ID	OJ990419_07.9923.C18
Gene No.	63309	Strand	
Start	8814	End	8996
Name	OJ990419_07.9923.C18.o3.tm	Method	TBLASTX:Maize
Start	8814	End	8996
GI	none	Score	210
Exons	8814..8951, 8839..8964, 8855..8965, 8856..8969, 8966..8995, 8967..8996		

Seq. No.	30631	Seq. ID	OJ990419_07.9923.C18
Gene No.	63309	Strand	
Start	8814	End	8996
Name	OJ990419_07.9923.C18.o1.tw	Method	TBLASTX:Wheat
Start	8855	End	8996
GI	none	Score	207
Exons	8855..8965, 8857..8964, 8966..8995, 8967..8996		

Seq. No.	30632	Seq. ID	OJ990419_07.9923.C20
Gene No.	63310	Strand	+

Start	351	End	758
Name	OJ990419_07.9923.C20.o1.tm	Method	TBLASTX:Maize
Start	350	End	733
GI	none	Score	539
Exons	350..733, 351..731		

Seq. No.	30632	Seq. ID	OJ990419_07.9923.C20
Gene No.	63310	Strand	+
Start	351	End	758
Name	OJ990419_07.9923.C20.o1.ts	Method	TBLASTX:Soybean
Start	350	End	722
GI	none	Score	223
Exons	350..556, 351..569, 576..722,	584..721	

Seq. No.	30632	Seq. ID	OJ990419_07.9923.C20
Gene No.	63310	Strand	+
Start	351	End	758
Name	OJ990419_07.9923.C20.o1.np	Method	AAT/NAP
Start	351	End	758
GI	4826572	Score	359
Exons	351..758		
GI Descrip.	(AJ238848) polygalacturonase [Phleum pratense]		

Seq. No.	30632	Seq. ID	OJ990419_07.9923.C20
Gene No.	63310	Strand	+
Start	351	End	758
Name	OJ990419_07.9923.C20.o1.tc	Method	TBLASTX:Cress
Start	351	End	719
GI	none	Score	272
Exons	351..719, 497..685		

Seq. No.	30632	Seq. ID	OJ990419_07.9923.C20
Gene No.	63310	Strand	+
Start	351	End	758
Name	OJ990419_07.9923.C20.o1.gs	Method	GENSCAN
Start	368	End	715
GI	none	Score	.99
Exons	368..715		

Seq. No.	30632	Seq. ID	OJ990419_07.9923.C20
Gene No.	63310	Strand	+
Start	351	End	758
Name	OJ990419_07.9923.C20.o1.gp	Method	AAT/GAP
Start	428	End	758
GI	30310_1.R1084	Score	605
Exons	428..758		
GI Descrip.	'548493/sp|P35339|PGLT_MAIZE 9.0e-35 EXOPOLYGALACTURONASE PRECURSOR (EXOPG) (PECTINASE) (GALACTURAN 1,4-ALPHA-GALACTURONIDASE) >gi_629854_pir__S30067 polygalacturonase - maize >gi_288612_emb_CAA47052_ (X66422) polygalacturonase [Zea mays]'		

Seq. No.	30633	Seq. ID	OJ990429_01.9924.C1
Gene No.	63311	Strand	+
Start	1	End	667
Name	OJ990429_01.9924.C1.o1.np	Method	AAT/NAP
Start	1	End	667

GI	3643603	Score	231
Exons	1..39, 255..667		
GI Descrip.	(AC005395) unknown protein [Arabidopsis thaliana]		

Seq. No.	30633	Seq. ID	OJ990429_01.9924.C1
Gene No.	63311	Strand	+
Start	1	End	667
Name	OJ990429_01.9924.C1.o1.tm	Method	TBLASTX:Maize
Start	279	End	499
GI	none	Score	152
Exons	279..416, 283..498, 284..499, 286..498		

Seq. No.	30633	Seq. ID	OJ990429_01.9924.C1
Gene No.	63311	Strand	+
Start	1	End	667
Name	OJ990429_01.9924.C1.o1.tw	Method	TBLASTX:Wheat
Start	279	End	499
GI	none	Score	183
Exons	279..416, 284..499, 286..495		

Seq. No.	30633	Seq. ID	OJ990429_01.9924.C1
Gene No.	63311	Strand	+
Start	1	End	667
Name	OJ990429_01.9924.C1.o1.gp	Method	AAT/GAP
Start	370	End	499
GI	702269	Score	234
Exons	370..499		
GI Descrip.	3643603 9.0e-20 (AC005395) unknown protein [Arabidopsis thaliana]		

Seq. No.	30634	Seq. ID	OJ990429_01.9924.C4
Gene No.	63312	Strand	+
Start	2040	End	2536
Name	OJ990429_01.9924.C4.o2.gs	Method	GENSCAN
Start	2040	End	2536
GI	none	Score	.69
Exons	2040..2536		

Seq. No.	30635	Seq. ID	OJ990429_01.9924.C5
Gene No.	63313	Strand	+
Start	158	End	1306
Name	OJ990429_01.9924.C5.o1.np	Method	AAT/NAP
Start	158	End	1306
GI	3056599	Score	135
Exons	158..671, 739..1306		
GI Descrip.	(AC004255) T1F9.20 [Arabidopsis thaliana]		

Seq. No.	30635	Seq. ID	OJ990429_01.9924.C5
Gene No.	63313	Strand	+
Start	158	End	1306
Name	OJ990429_01.9924.C5.o1.gs	Method	GENSCAN
Start	243	End	1091
GI	none	Score	.49
Exons	243..382, 493..1091		

Seq. No.	30635	Seq. ID	OJ990429_01.9924.C5
Gene No.	63314	Strand	+

Start	1967	End	2805
Name	OJ990429_01.9924.C5.o2.gs	Method	GENSCAN
Start	1967	End	2805
GI	none	Score	.8
Exons	1967..2172, 2637..2805		

Seq. No.	30635	Seq. ID	OJ990429_01.9924.C5
Gene No.	63315	Strand	+
Start	3570	End	3847
Name	OJ990429_01.9924.C5.o3.gs	Method	GENSCAN
Start	3570	End	3847
GI	none	Score	.48
Exons	3570..3627, 3693..3847		

Seq. No.	30635	Seq. ID	OJ990429_01.9924.C5
Gene No.	63316	Strand	-
Start	4448	End	5619
Name	OJ990429_01.9924.C5.o4.gs	Method	GENSCAN
Start	4448	End	5619
GI	none	Score	.91
Exons	4448..4809, 5412..5619		

Seq. No.	30635	Seq. ID	OJ990429_01.9924.C5
Gene No.	63317	Strand	-
Start	8324	End	9990
Name	OJ990429_01.9924.C5.o5.gs	Method	GENSCAN
Start	8324	End	9990
GI	none	Score	.62
Exons	8324..8730, 8902..9077, 9869..9990		

Seq. No.	30635	Seq. ID	OJ990429_01.9924.C5
Gene No.	63318	Strand	-
Start	11060	End	16140
Name	OJ990429_01.9924.C5.o2.ts	Method	TBLASTX:Soybean
Start	6557	End	6775
GI	none	Score	112
Exons	6557..6628, 6558..6623, 6559..6630, 6559..6768, 6623..6769, 6624..6761, 6626..6775		

Seq. No.	30635	Seq. ID	OJ990429_01.9924.C5
Gene No.	63318	Strand	-
Start	11060	End	16140
Name	OJ990429_01.9924.C5.o6.gs	Method	GENSCAN
Start	11060	End	15890
GI	none	Score	.69
Exons	11060..11141, 11352..11476, 12574..12767, 13039..13381, 13870..14020, 14643..14713, 15114..15232, 15797..15890		

Seq. No.	30635	Seq. ID	OJ990429_01.9924.C5
Gene No.	63318	Strand	-
Start	11060	End	16140
Name	OJ990429_01.9924.C5.o2.np	Method	AAT/NAP
Start	11702	End	16140
GI	6056372	Score	814
Exons	11702..11771, 13180..13381, 13870..14020, 14447..14668, 14757..14977, 15114..15251, 15687..15838, 16026..16140		
GI Descrip.	(AC009894) Very similar to receptor-like serine/threonine kinase		

[Arabidopsis thaliana]

Seq. No.	30635	Seq. ID	OJ990429_01.9924.C5
Gene No.	63318	Strand	-
Start	11060	End	16140
Name	OJ990429_01.9924.C5.o1.ts	Method	TBLASTX:Soybean
Start	13196	End	16140
GI	none	Score	51
Exons	13196..13279, 13196..13285, 13203..13283, 13274..13381, 13275..13376, 13303..13383, 13868..14017, 13870..14019, 13871..14023, 14446..14679, 14452..14679, 14763..14978, 14764..14952, 14765..14983, 15112..15147, 15114..15233, 15121..15225, 16024..16140, 16028..16138		

Seq. No.	30635	Seq. ID	OJ990429_01.9924.C5
Gene No.	63318	Strand	-
Start	11060	End	16140
Name	OJ990429_01.9924.C5.o1.tc	Method	TBLASTX:Cress
Start	13199	End	16137
GI	none	Score	86
Exons	13199..13366, 13200..13382, 13865..14023, 13870..14019, 14442..14639, 14446..14670, 14591..14659, 14746..14976, 14765..14965, 14768..14977, 14790..14999, 15114..15218, 15121..15234, 16030..16137, 16031..16105		

Seq. No.	30635	Seq. ID	OJ990429_01.9924.C5
Gene No.	63318	Strand	-
Start	11060	End	16140
Name	OJ990429_01.9924.C5.o1.tm	Method	TBLASTX:Maize
Start	13873	End	15200
GI	none	Score	75
Exons	13873..14019, 13874..14020, 14449..14670, 14479..14667, 14762..14989, 14766..14978, 15114..15200		

Seq. No.	30635	Seq. ID	OJ990429_01.9924.C5
Gene No.	63318	Strand	-
Start	11060	End	16140
Name	OJ990429_01.9924.C5.o1.tw	Method	TBLASTX:Wheat
Start	14530	End	14983
GI	none	Score	76
Exons	14530..14661, 14530..14667, 14762..14983, 14766..14978		

Seq. No.	30636	Seq. ID	OJ990429_01.9924.C6
Gene No.	63319	Strand	+
Start	128	End	242
Name	OJ990429_01.9924.C6.o1.gs	Method	GENSCAN
Start	128	End	242
GI	none	Score	.43
Exons	128..182, 238..242		

Seq. No.	30637	Seq. ID	OJ990429_01.9924.C8
Gene No.	63320	Strand	+
Start	1	End	238
Name	OJ990429_01.9924.C8.o1.np	Method	AAT/NAP
Start	1	End	238
GI	4234854	Score	249
Exons	1..238		

GI Descrip. (AF082134) pol polyprotein [Zea mays]

Seq. No.	30637	Seq. ID	OJ990429_01.9924.C8
Gene No.	63321	Strand	+
Start	601	End	753
Name	OJ990429_01.9924.C8.o1.gs	Method	GENSCAN
Start	601	End	753
GI	none	Score	.9
Exons	601..753		

Seq. No.	30638	Seq. ID	OJ990429_01.9924.C9
Gene No.	63322	Strand	+
Start	1	End	1238
Name	OJ990429_01.9924.C9.o1.np	Method	AAT/NAP
Start	1	End	1238
GI	4836874	Score	691
Exons	1..355, 486..566, 674..828, 896..1238		
GI Descrip.	(AC007260) lcl|prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	30638	Seq. ID	OJ990429_01.9924.C9
Gene No.	63322	Strand	+
Start	1	End	1238
Name	OJ990429_01.9924.C9.o1.ts	Method	TBLASTX:Soybean
Start	107	End	545
GI	none	Score	284
Exons	107..358, 121..357, 483..545		

Seq. No.	30638	Seq. ID	OJ990429_01.9924.C9
Gene No.	63322	Strand	+
Start	1	End	1238
Name	OJ990429_01.9924.C9.o1.gs	Method	GENSCAN
Start	110	End	566
GI	none	Score	.97
Exons	110..355, 486..566		

Seq. No.	30638	Seq. ID	OJ990429_01.9924.C9
Gene No.	63322	Strand	+
Start	1	End	1238
Name	OJ990429_01.9924.C9.o1.gp	Method	AAT/GAP
Start	235	End	817
GI	LIB3432-015-P1-K1-A5	Score	584
Exons	235..355, 486..566, 674..817		
GI Descrip.	'4836874/gb|AAD30577.1|AC007260_8 6.0e-36 (AC007260) lcl_prt_seq No definition line found [Arabidopsis thaliana]'		

Seq. No.	30638	Seq. ID	OJ990429_01.9924.C9
Gene No.	63322	Strand	+
Start	1	End	1238
Name	OJ990429_01.9924.C9.o1.tm	Method	TBLASTX:Maize
Start	736	End	1006
GI	none	Score	155
Exons	736..828, 737..826, 893..1006, 894..1004, 895..1005, 896..1006		

Seq. No.	30638	Seq. ID	OJ990429_01.9924.C9
Gene No.	63322	Strand	+
Start	1	End	1238

Name	OJ990429_01.9924.C9.o2.ts	Method	TBLASTX:Soybean
Start	920	End	1211
GI	none	Score	165
Exons	920..1060, 921..1061, 935..1069, 1086..1211		

Seq. No.	30639	Seq. ID	OJ990429_01.9924.C12
Gene No.	63323	Strand	+
Start	1	End	675
Name	OJ990429_01.9924.C12.o1.np	Method	AAT/NAP
Start	1	End	675
GI	3309620	Score	244
Exons	1..675		
GI Descrip.	(AF074916) resistance to Pseudomonas syringae protein 5 [Arabidopsis thaliana]		

Seq. No.	30639	Seq. ID	OJ990429_01.9924.C12
Gene No.	63323	Strand	+
Start	1	End	675
Name	OJ990429_01.9924.C12.o1.gs	Method	GENSCAN
Start	117	End	518
GI	none	Score	.45
Exons	117..518		

Seq. No.	30640	Seq. ID	OJ990429_01.9924.C13
Gene No.	63324	Strand	+
Start	26	End	2553
Name	OJ990429_01.9924.C13.o1.gs	Method	GENSCAN
Start	26	End	2553
GI	none	Score	.6
Exons	26..374, 837..1116, 1925..2078, 2138..2339, 2387..2553		

Seq. No.	30640	Seq. ID	OJ990429_01.9924.C13
Gene No.	63325	Strand	+
Start	4791	End	12066
Name	OJ990429_01.9924.C13.o2.gs	Method	GENSCAN
Start	4791	End	12066
GI	none	Score	.85
Exons	4791..4803, 5291..5473, 9622..9943, 11976..12066		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63326	Strand	+
Start	1733	End	1825
Name	OJ990429_01.9924.C14.o1.gp	Method	AAT/GAP
Start	1733	End	1825
GI	uC-osflcyp022c06b2	Score	147
Exons	1733..1825		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63327	Strand	+
Start	2443	End	6442
Name	OJ990429_01.9924.C14.o1.np	Method	AAT/NAP
Start	2443	End	6418
GI	4972075	Score	848
Exons	2443..2807, 3016..3280, 3328..3489, 3588..3782, 5292..5390, 5485..5996, 6103..6418		

GI Descrip. (AL078467) proton pump interactor [Arabidopsis thaliana]

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63327	Strand	+
Start	2443	End	6442
Name	OJ990429_01.9924.C14.o2.gs	Method	GENSCAN
Start	2443	End	6442
GI	none	Score	.9
Exons	2443..2562, 2637..2807, 3016..3210, 3310..3489, 3588..3782, 5292..5390, 5485..5991, 6101..6442		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63327	Strand	+
Start	2443	End	6442
Name	OJ990429_01.9924.C14.o2.gp	Method	AAT/GAP
Start	3078	End	5614
GI	5780_1.R1084	Score	1386
Exons	3078..3210, 3310..3489, 3588..3782, 5292..5390, 5485..5614		
GI Descrip.	'4972075/emb|CAB43882.1| 2.0e-61 (AL078467) proton pump interactor [Arabidopsis thaliana]'		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63328	Strand	+
Start	8621	End	9609
Name	OJ990429_01.9924.C14.o4.gp	Method	AAT/GAP
Start	8621	End	9118
GI	uC-osflcyp024d02b1	Score	996
Exons	8621..9118		
GI Descrip.	'320618/pir||A44956 3.0e-72 chlorophyll a/b-binding protein I precursor - rice >gi_218172_dbj_BAA00536_ (D00641) type I light-harvesting chlorophyll a/b-binding protein [Oryza sativa] >gi_227611_prf__1707316A chlorophyll a/b binding protein 1 [Oryza sativa]'		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63328	Strand	+
Start	8621	End	9609
Name	OJ990429_01.9924.C14.o3.np	Method	AAT/NAP
Start	8649	End	9443
GI	320618	Score	1378
Exons	8649..9443		
GI Descrip.	chlorophyll a/b-binding protein I precursor - rice gi|218172|dbj|BAA00536| (D00641) type I light-harvesting chlorophyll a/b-binding protein [Oryza sativa] gi|227611|prf||1707316A chlorophyll a/b binding protein 1 [Oryza sativa]		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63328	Strand	+
Start	8621	End	9609
Name	OJ990429_01.9924.C14.o5.gp	Method	AAT/GAP
Start	9124	End	9609
GI	LIB3432-032-P2-K1-E4	Score	851
Exons	9124..9609		
GI Descrip.	'115787/sp|P12331|CB22_ORYSA 3.0e-45 CHLOROPHYLL A-B BINDING PROTEIN 2 PRECURSOR (LHCII TYPE I CAB-2) (LHCP) >gi_82461_pir__S03706 chlorophyll a/b-binding protein 2R		

precursor - rice >gi_20182_emb_CAA32109_ (X13909) chlorophyll a/b-binding preprotein (AA -28 to 235) [Oryza sativa]'

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63329	Strand	-
Start	6251	End	6734
Name	OJ990429_01.9924.C14.o3.gp	Method	AAT/GAP
Start	6251	End	6734
GI	none	Score	964
Exons	6251..6734		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63330	Strand	-
Start	7128	End	8553
Name	OJ990429_01.9924.C14.o2.np	Method	AAT/NAP
Start	7128	End	8553
GI	5852084	Score	82
Exons	7128..7211, 8528..8553		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63331	Strand	-
Start	11619	End	18292
Name	OJ990429_01.9924.C14.o4.gs	Method	GENSCAN
Start	11619	End	18292
GI	none	Score	.68
Exons	11619..11693, 12685..12816, 12923..13076, 13486..13552, 13625..13729, 14134..14252, 14382..14590, 15075..15247, 15390..15730, 15852..15919, 18114..18197, 18251..18292		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63331	Strand	-
Start	11619	End	18292
Name	OJ990429_01.9924.C14.o6.gp	Method	AAT/GAP
Start	15197	End	15624
GI	none	Score	464
Exons	15197..15247, 15390..15624		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63332	Strand	-
Start	19834	End	24579
Name	OJ990429_01.9924.C14.o3.tm	Method	TBLASTX:Maize
Start	2417	End	6443
GI	none	Score	34
Exons	2417..2452, 2434..2499, 2437..2565, 2503..2574, 2506..2580, 2508..2579, 2631..2807, 2635..2706, 2726..2806, 2750..2809, 2752..2811, 3014..3202, 3018..3203, 3019..3213, 3020..3208, 3277..3492, 3310..3489, 3561..3776, 3586..3765, 3594..3779, 3614..3778, 5292..5393, 5293..5391, 5470..5670, 5474..5671, 5482..5646, 5598..5672, 5631..5720, 5639..5815, 5644..5805, 5666..5983, 5790..5996, 6100..6267, 6228..6263, 6283..6441, 6284..6442, 6284..6442, 6348..6443		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63332	Strand	-
Start	19834	End	24579
Name	OJ990429_01.9924.C14.o5.ts	Method	TBLASTX:Soybean

Start	2631	End	6349
GI	none	Score	152
Exons	2631..2807, 3018..3161, 3019..3162, 3277..3492, 3309..3473, 3594..3776, 5292..5393, 5482..5607, 5485..5640, 5598..5654, 5674..5706, 6188..6349		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63332	Strand	-
Start	19834	End	24579
Name	OJ990429_01.9924.C14.o3.tc	Method	TBLASTX:Cress
Start	5434	End	5661
GI	none	Score	202
Exons	5434..5661, 5482..5637		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63332	Strand	-
Start	19834	End	24579
Name	OJ990429_01.9924.C14.o4.tw	Method	TBLASTX:Wheat
Start	5527	End	5735
GI	none	Score	217
Exons	5527..5715, 5528..5716, 5529..5735		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63332	Strand	-
Start	19834	End	24579
Name	OJ990429_01.9924.C14.o2.tm	Method	TBLASTX:Maize
Start	8624	End	9442
GI	none	Score	53
Exons	8624..8689, 8627..8689, 8720..8767, 8720..8779, 8774..9061, 8793..9434, 8925..9203, 9275..9442		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63332	Strand	-
Start	19834	End	24579
Name	OJ990429_01.9924.C14.o1.tc	Method	TBLASTX:Cress
Start	8786	End	9466
GI	none	Score	1022
Exons	8786..9061, 8793..9434, 8925..9191, 9278..9466, 9410..9460		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63332	Strand	-
Start	19834	End	24579
Name	OJ990429_01.9924.C14.o1.ts	Method	TBLASTX:Soybean
Start	8786	End	9445
GI	none	Score	1026
Exons	8786..9061, 8793..9434, 8928..9176, 9278..9445		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63332	Strand	-
Start	19834	End	24579
Name	OJ990429_01.9924.C14.o3.tw	Method	TBLASTX:Wheat
Start	8792	End	8978
GI	none	Score	288
Exons	8792..8974, 8793..8978		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63332	Strand	-

Start	19834	End	24579
Name	OJ990429_01.9924.C14.o1.tw	Method	TBLASTX:Wheat
Start	8994	End	9436
GI	none	Score	232
Exons	8994..9137, 8994..9137, 9129..9197, 9138..9434, 9275..9436		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63332	Strand	-
Start	19834	End	24579
Name	OJ990429_01.9924.C14.o7.ts	Method	TBLASTX:Soybean
Start	13515	End	14581
GI	5058171	Score	68
Exons	13515..13553, 14138..14254, 14142..14252, 14381..14560, 14381..14581, 14391..14561		
GI Descrip.	2808725/emb_CAA16249_ 4.0e-11 (AL021428) hypothetical protein Rv0068 [Mycobacterium tuberculosis]		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63332	Strand	-
Start	19834	End	24579
Name	OJ990429_01.9924.C14.o1.tm	Method	TBLASTX:Maize
Start	19391	End	22678
GI	none	Score	63
Exons	19391..19459, 19419..19460, 19496..19546, 19535..19564, 19820..20761, 19834..20760, 19835..20761, 20849..21043, 20850..21041, 20854..21042, 20854..21048, 21583..22029, 21583..22029, 21584..22030, 21897..22034, 22347..22619, 22351..22638, 22352..22678, 22352..22678		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63332	Strand	-
Start	19834	End	24579
Name	OJ990429_01.9924.C14.o2.ts	Method	TBLASTX:Soybean
Start	19809	End	20415
GI	none	Score	65
Exons	19809..20060, 19809..20231, 19834..20322, 19841..20296, 20314..20415		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63332	Strand	-
Start	19834	End	24579
Name	OJ990429_01.9924.C14.o2.tc	Method	TBLASTX:Cress
Start	19828	End	20933
GI	none	Score	181
Exons	19828..20124, 19841..20125, 20120..20488, 20125..20499, 20495..20527, 20530..20604, 20626..20760, 20657..20686, 20675..20743, 20849..20917, 20850..20933		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63332	Strand	-
Start	19834	End	24579
Name	OJ990429_01.9924.C14.o5.gs	Method	GENSCAN
Start	19834	End	23178
GI	none	Score	.91
Exons	19834..20759, 20851..21040, 21583..22026, 22352..23178		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14

Gene No.	63332	Strand	-
Start	19834	End	24579
Name	OJ990429_01.9924.C14.o4.np	Method	AAT/NAP
Start	19837	End	24579
GI	3643603	Score	2639
Exons	19837..20759, 20851..21040, 21583..22040, 22348..23218, 24524..24579		
GI Descrip.	(AC005395) unknown protein [Arabidopsis thaliana]		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63332	Strand	-
Start	19834	End	24579
Name	OJ990429_01.9924.C14.o7.gp	Method	AAT/GAP
Start	20219	End	20983
GI	33017_1.R1084	Score	1274
Exons	20219..20762, 20854..20983		
GI Descrip.	'3643603 7.0e-58 (AC005395) unknown protein [Arabidopsis thaliana]'		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63332	Strand	-
Start	19834	End	24579
Name	OJ990429_01.9924.C14.o6.ts	Method	TBLASTX:Soybean
Start	20422	End	21840
GI	none	Score	46
Exons	20422..20499, 20423..20488, 20495..20635, 20497..20691, 20662..20760, 20849..21001, 20849..21043, 20850..21008, 21580..21840, 21581..21757, 21583..21840		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63332	Strand	-
Start	19834	End	24579
Name	OJ990429_01.9924.C14.o8.gp	Method	AAT/GAP
Start	21678	End	21943
GI	702269	Score	475
Exons	21678..21943		
GI Descrip.	3643603 9.0e-20 (AC005395) unknown protein [Arabidopsis thaliana]		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63332	Strand	-
Start	19834	End	24579
Name	OJ990429_01.9924.C14.o2.tw	Method	TBLASTX:Wheat
Start	21769	End	22510
GI	none	Score	235
Exons	21769..21810, 21801..21848, 21802..22029, 21803..22030, 21804..22025, 21821..22027, 21897..22034, 22351..22509, 22352..22510, 22352..22510		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63332	Strand	-
Start	19834	End	24579
Name	OJ990429_01.9924.C14.o4.ts	Method	TBLASTX:Soybean
Start	21928	End	22636
GI	none	Score	69
Exons	21928..22008, 21999..22040, 22349..22468, 22349..22636, 22356..22628		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63332	Strand	-
Start	19834	End	24579
Name	OJ990429_01.9924.C14.o5.tm	Method	TBLASTX:Maize
Start	22691	End	22921
GI	none	Score	85
Exons	22691..22831, 22835..22921		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63332	Strand	-
Start	19834	End	24579
Name	OJ990429_01.9924.C14.o3.ts	Method	TBLASTX:Soybean
Start	22808	End	23201
GI	none	Score	56
Exons	22808..22912, 22872..22910, 22913..23200, 22917..23201		

Seq. No.	30641	Seq. ID	OJ990429_01.9924.C14
Gene No.	63332	Strand	-
Start	19834	End	24579
Name	OJ990429_01.9924.C14.o4.tm	Method	TBLASTX:Maize
Start	22937	End	23218
GI	none	Score	96
Exons	22937..23218, 22938..23216		

Seq. No.	30642	Seq. ID	OJ990429_01.9924.C15
Gene No.	63333	Strand	+
Start	5433	End	5890
Name	OJ990429_01.9924.C15.o1.gp	Method	AAT/GAP
Start	5433	End	5890
GI	LIB3432-059-P1-K1-D8	Score	727
Exons	5433..5890		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	30642	Seq. ID	OJ990429_01.9924.C15
Gene No.	63334	Strand	+
Start	7896	End	9587
Name	OJ990429_01.9924.C15.o2.gs	Method	GENSCAN
Start	7896	End	9587
GI	none	Score	.4
Exons	7896..8127, 9364..9587		

Seq. No.	30642	Seq. ID	OJ990429_01.9924.C15
Gene No.	63335	Strand	-
Start	5824	End	5903
Name	OJ990429_01.9924.C15.o2.gp	Method	AAT/GAP
Start	5824	End	5903
GI	LIB3477-003-P1-K1-E9	Score	129
Exons	5824..5903		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	30642	Seq. ID	OJ990429_01.9924.C15
Gene No.	63336	Strand	-
Start	9455	End	14770

Name	OJ990429_01.9924.C15.o3.gp	Method	AAT/GAP
Start	9455	End	10388
GI	3552_1.R1084	Score	1129
Exons	9455..9829, 9988..10107, 10283..10388		
GI Descrip.	'5103848/gb|AAD39678.1|AC007591_43 6.0e-20 (AC007591) F9L1.16 [Arabidopsis thaliana]'		

Seq. No.	30642	Seq. ID	OJ990429_01.9924.C15
Gene No.	63336	Strand	-
Start	9455	End	14770
Name	OJ990429_01.9924.C15.o1.np	Method	AAT/NAP
Start	9788	End	13370
GI	5103848	Score	265
Exons	9788..9829, 9988..10107, 10283..10426, 10872..10923, 11395..11455, 11586..11798, 13228..13370		
GI Descrip.	(AC007591) F9L1.16 [Arabidopsis thaliana]		

Seq. No.	30642	Seq. ID	OJ990429_01.9924.C15
Gene No.	63336	Strand	-
Start	9455	End	14770
Name	OJ990429_01.9924.C15.o3.gs	Method	GENSCAN
Start	9880	End	14770
GI	none	Score	.63
Exons	9880..10107, 10283..10426, 10872..10923, 11150..11255, 11547..11751, 11822..11867, 12905..12985, 13231..13316, 14314..14443, 14673..14770		

Seq. No.	30642	Seq. ID	OJ990429_01.9924.C15
Gene No.	63336	Strand	-
Start	9455	End	14770
Name	OJ990429_01.9924.C15.o1.tm	Method	TBLASTX:Maize
Start	11372	End	13319
GI	none	Score	70
Exons	11372..11479, 11394..11456, 11548..11601, 11552..11623, 11631..11756, 11659..11754, 11819..11863, 11820..11879, 13227..13319, 13231..13317, 13233..13319		

Seq. No.	30642	Seq. ID	OJ990429_01.9924.C15
Gene No.	63336	Strand	-
Start	9455	End	14770
Name	OJ990429_01.9924.C15.o1.tw	Method	TBLASTX:Wheat
Start	11537	End	14731
GI	none	Score	177
Exons	11537..11755, 11549..11743, 11553..11756, 11819..11863, 11820..11879, 13221..13286, 13222..13287, 13289..13318, 13293..13319, 14670..14711, 14672..14731		

Seq. No.	30643	Seq. ID	OJ990429_01.9924.C16
Gene No.	63337	Strand	+
Start	1	End	4644
Name	OJ990429_01.9924.C16.o1.np	Method	AAT/NAP
Start	1	End	4644
GI	6063554	Score	182
Exons	1..23, 3082..3304, 4445..4644		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30643	Seq. ID	OJ990429_01.9924.C16
Gene No.	63337	Strand	+
Start	1	End	4644
Name	OJ990429_01.9924.C16.o1.gs	Method	GENSCAN
Start	445	End	1046
GI	none	Score	.57
Exons	445..619, 625..956, 992..1046		

Seq. No.	30643	Seq. ID	OJ990429_01.9924.C16
Gene No.	63338	Strand	-
Start	2153	End	3593
Name	OJ990429_01.9924.C16.o2.gs	Method	GENSCAN
Start	2153	End	3593
GI	none	Score	.62
Exons	2153..2308, 2848..3016, 3094..3296, 3337..3593		

Seq. No.	30644	Seq. ID	OJ990429_01.9924.C18
Gene No.	63339	Strand	-
Start	328	End	4152
Name	OJ990429_01.9924.C18.o1.np	Method	AAT/NAP
Start	328	End	3959
GI	6466937	Score	2006
Exons	328..3959		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	30644	Seq. ID	OJ990429_01.9924.C18
Gene No.	63339	Strand	-
Start	328	End	4152
Name	OJ990429_01.9924.C18.o4.tm	Method	TBLASTX:Maize
Start	439	End	1058
GI	none	Score	57
Exons	439..582, 444..518, 678..1058, 681..941, 754..1053		

Seq. No.	30644	Seq. ID	OJ990429_01.9924.C18
Gene No.	63339	Strand	-
Start	328	End	4152
Name	OJ990429_01.9924.C18.o4.tw	Method	TBLASTX:Wheat
Start	816	End	1208
GI	none	Score	56
Exons	816..962, 1026..1208, 1056..1208		

Seq. No.	30644	Seq. ID	OJ990429_01.9924.C18
Gene No.	63339	Strand	-
Start	328	End	4152
Name	OJ990429_01.9924.C18.o1.tm	Method	TBLASTX:Maize
Start	1062	End	1640
GI	none	Score	205
Exons	1062..1640, 1068..1553, 1432..1623		

Seq. No.	30644	Seq. ID	OJ990429_01.9924.C18
Gene No.	63339	Strand	-
Start	328	End	4152
Name	OJ990429_01.9924.C18.o2.ts	Method	TBLASTX:Soybean
Start	1287	End	1673
GI	none	Score	121

Exons	1287..1673, 1378..1623		
Seq. No.	30644	Seq. ID	OJ990429_01.9924.C18
Gene No.	63339	Strand	-
Start	328	End	4152
Name	OJ990429_01.9924.C18.o2.tw	Method	TBLASTX:Wheat
Start	1527	End	1927
GI	none	Score	135
Exons	1527..1673, 1682..1927, 1683..1910		
Seq. No.	30644	Seq. ID	OJ990429_01.9924.C18
Gene No.	63339	Strand	-
Start	328	End	4152
Name	OJ990429_01.9924.C18.o3.tm	Method	TBLASTX:Maize
Start	1823	End	2433
GI	none	Score	52
Exons	1823..1942, 1875..1937, 1929..2300, 1937..2395, 2296..2433		
Seq. No.	30644	Seq. ID	OJ990429_01.9924.C18
Gene No.	63339	Strand	-
Start	328	End	4152
Name	OJ990429_01.9924.C18.o3.tw	Method	TBLASTX:Wheat
Start	2300	End	2664
GI	none	Score	111
Exons	2300..2656, 2302..2664		
Seq. No.	30644	Seq. ID	OJ990429_01.9924.C18
Gene No.	63339	Strand	-
Start	328	End	4152
Name	OJ990429_01.9924.C18.o1.ts	Method	TBLASTX:Soybean
Start	2384	End	2739
GI	none	Score	125
Exons	2384..2728, 2389..2739		
Seq. No.	30644	Seq. ID	OJ990429_01.9924.C18
Gene No.	63339	Strand	-
Start	328	End	4152
Name	OJ990429_01.9924.C18.o5.tm	Method	TBLASTX:Maize
Start	2437	End	2664
GI	none	Score	137
Exons	2437..2664, 2441..2656		
Seq. No.	30644	Seq. ID	OJ990429_01.9924.C18
Gene No.	63339	Strand	-
Start	328	End	4152
Name	OJ990429_01.9924.C18.o2.gs	Method	GENSCAN
Start	2665	End	4152
GI	none	Score	.54
Exons	2665..3212, 3738..4152		
Seq. No.	30644	Seq. ID	OJ990429_01.9924.C18
Gene No.	63339	Strand	-
Start	328	End	4152
Name	OJ990429_01.9924.C18.o2.tm	Method	TBLASTX:Maize
Start	2671	End	3148
GI	none	Score	227
Exons	2671..3135, 2747..3148		

Seq. No.	30644	Seq. ID	OJ990429_01.9924.C18
Gene No.	63339	Strand	-
Start	328	End	4152
Name	OJ990429_01.9924.C18.o1.tw	Method	TBLASTX:Wheat
Start	2716	End	3129
GI	none	Score	177
Exons	2716..3129, 2720..3121		

Seq. No.	30644	Seq. ID	OJ990429_01.9924.C18
Gene No.	63339	Strand	-
Start	328	End	4152
Name	OJ990429_01.9924.C18.o1.tc	Method	TBLASTX:Cress
Start	2746	End	3069
GI	none	Score	57
Exons	2746..3069, 2749..2826, 2897..3046		

Seq. No.	30644	Seq. ID	OJ990429_01.9924.C18
Gene No.	63339	Strand	-
Start	328	End	4152
Name	OJ990429_01.9924.C18.o3.ts	Method	TBLASTX:Soybean
Start	2848	End	3136
GI	none	Score	68
Exons	2848..3135, 2972..3136		

Seq. No.	30644	Seq. ID	OJ990429_01.9924.C18
Gene No.	63339	Strand	-
Start	328	End	4152
Name	OJ990429_01.9924.C18.o6.tm	Method	TBLASTX:Maize
Start	3667	End	3993
GI	none	Score	70
Exons	3667..3993, 3908..3964		

Seq. No.	30645	Seq. ID	OJ990429_01.9924.C19
Gene No.	63340	Strand	+
Start	1839	End	6271
Name	OJ990429_01.9924.C19.o1.np	Method	AAT/NAP
Start	1839	End	6271
GI	6598810	Score	68
Exons	1839..1870, 5593..5733, 5763..5828, 6120..6271		
GI Descrip.	(AF024504) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30646	Seq. ID	OJ990429_01.9924.C20
Gene No.	63341	Strand	-
Start	2408	End	2866
Name	OJ990429_01.9924.C20.o2.gs	Method	GENSCAN
Start	2408	End	2866
GI	none	Score	1
Exons	2408..2866		

Seq. No.	30647	Seq. ID	OJ990429_01.9924.C21
Gene No.	63342	Strand	+
Start	1	End	4925
Name	OJ990429_01.9924.C21.o1.np	Method	AAT/NAP
Start	1	End	3736
GI	6069646	Score	788
Exons	1..43, 1820..2507, 2789..3736		

GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	30647	Seq. ID	OJ990429_01.9924.C21
Gene No.	63342	Strand	+
Start	1	End	4925
Name	OJ990429_01.9924.C21.o1.gs	Method	GENSCAN
Start	68	End	4925
GI	none	Score	.56
Exons	68..1155, 1228..1247, 1864..2289, 2305..2353, 2515..2669, 2907..3064, 3242..3389, 4848..4925		
Seq. No.	30647	Seq. ID	OJ990429_01.9924.C21
Gene No.	63343	Strand	+
Start	6965	End	7522
Name	OJ990429_01.9924.C21.o1.gp	Method	AAT/GAP
Start	6965	End	7522
GI	none	Score	1045
Exons	6965..7522		
Seq. No.	30647	Seq. ID	OJ990429_01.9924.C21
Gene No.	63344	Strand	-
Start	5353	End	8883
Name	OJ990429_01.9924.C21.o2.tm	Method	TBLASTX:Maize
Start	2038	End	2720
GI	none	Score	125
Exons	2038..2190, 2164..2250, 2166..2255, 2251..2529, 2262..2405, 2463..2720, 2475..2498, 2511..2534, 2531..2692		
Seq. No.	30647	Seq. ID	OJ990429_01.9924.C21
Gene No.	63344	Strand	-
Start	5353	End	8883
Name	OJ990429_01.9924.C21.o3.tm	Method	TBLASTX:Maize
Start	2733	End	3005
GI	none	Score	209
Exons	2733..3005, 2910..3002		
Seq. No.	30647	Seq. ID	OJ990429_01.9924.C21
Gene No.	63344	Strand	-
Start	5353	End	8883
Name	OJ990429_01.9924.C21.o2.gs	Method	GENSCAN
Start	5353	End	8643
GI	none	Score	.53
Exons	5353..5473, 5601..5839, 5988..6065, 8136..8271, 8388..8512, 8590..8643		
Seq. No.	30647	Seq. ID	OJ990429_01.9924.C21
Gene No.	63344	Strand	-
Start	5353	End	8883
Name	OJ990429_01.9924.C21.o2.gp	Method	AAT/GAP
Start	7442	End	8807
GI	17774_1.R1084	Score	1204
Exons	7442..7703, 8136..8271, 8388..8512, 8590..8807		
GI Descrip.	'3337356 1.0e-159 (AC004481) putative protein transport protein		

SEC61 alpha subunit [Arabidopsis thaliana]'

Seq. No.	30647	Seq. ID	OJ990429_01.9924.C21
Gene No.	63344	Strand	-
Start	5353	End	8883
Name	OJ990429_01.9924.C21.o1.tm	Method	TBLASTX:Maize
Start	7462	End	8807
GI	none	Score	68
Exons	7462..7704, 7464..7532, 7464..7706, 7465..7704, 8130..8273, 8134..8274, 8136..8273, 8376..8513, 8388..8525, 8390..8515, 8390..8533, 8585..8806, 8587..8805, 8594..8806, 8595..8807		

Seq. No.	30647	Seq. ID	OJ990429_01.9924.C21
Gene No.	63344	Strand	-
Start	5353	End	8883
Name	OJ990429_01.9924.C21.o1.ts	Method	TBLASTX:Soybean
Start	7464	End	8807
GI	none	Score	70
Exons	7464..7706, 7467..7532, 7468..7704, 8121..8267, 8134..8274, 8136..8273, 8388..8441, 8390..8440, 8438..8533, 8439..8501, 8587..8805, 8594..8806, 8598..8807		

Seq. No.	30647	Seq. ID	OJ990429_01.9924.C21
Gene No.	63344	Strand	-
Start	5353	End	8883
Name	OJ990429_01.9924.C21.o2.np	Method	AAT/NAP
Start	7467	End	8883
GI	6581004	Score	1044
Exons	7467..7703, 8136..8271, 8388..8512, 8590..8883		
GI Descrip.	(AF190652) putative integral membrane protein [Phaseolus vulgaris]		

Seq. No.	30647	Seq. ID	OJ990429_01.9924.C21
Gene No.	63344	Strand	-
Start	5353	End	8883
Name	OJ990429_01.9924.C21.o1.tc	Method	TBLASTX:Cress
Start	7471	End	8806
GI	none	Score	43
Exons	7471..7566, 7558..7590, 7569..7706, 7573..7704, 7598..7708, 8130..8273, 8134..8274, 8134..8247, 8136..8273, 8388..8513, 8390..8533, 8393..8518, 8585..8806, 8587..8805		

Seq. No.	30647	Seq. ID	OJ990429_01.9924.C21
Gene No.	63344	Strand	-
Start	5353	End	8883
Name	OJ990429_01.9924.C21.o3.gp	Method	AAT/GAP
Start	7558	End	8807
GI	17774_1.R1084	Score	1064
Exons	7558..7703, 8136..8271, 8388..8512, 8590..8807		
GI Descrip.	'3337356 1.0e-159 (AC004481) putative protein transport protein SEC61 alpha subunit [Arabidopsis thaliana]'		

Seq. No.	30647	Seq. ID	OJ990429_01.9924.C21
Gene No.	63344	Strand	-
Start	5353	End	8883
Name	OJ990429_01.9924.C21.o1.tw	Method	TBLASTX:Wheat
Start	7572	End	8445

GI	none	Score	232
Exons	7572..7706, 7573..7704, 7574..7705, 8130..8273, 8134..8274, 8136..8273, 8366..8440, 8388..8444, 8388..8438, 8389..8445, 8390..8443		

Seq. No.	30648	Seq. ID	OJ990429_01.9924.C23
Gene No.	63345	Strand	+
Start	3662	End	6283
Name	OJ990429_01.9924.C23.o2.np	Method	AAT/NAP
Start	3662	End	6283
GI	4234854	Score	1327
Exons	3662..3682, 4889..6283		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	30648	Seq. ID	OJ990429_01.9924.C23
Gene No.	63345	Strand	+
Start	3662	End	6283
Name	OJ990429_01.9924.C23.o3.gs	Method	GENSCAN
Start	5445	End	6047
GI	none	Score	.9
Exons	5445..6047		

Seq. No.	30648	Seq. ID	OJ990429_01.9924.C23
Gene No.	63346	Strand	-
Start	1974	End	2104
Name	OJ990429_01.9924.C23.o1.gp	Method	AAT/GAP
Start	1974	End	2104
GI	33402_1.R1084	Score	149
Exons	1974..2104		
GI Descrip.	'3337356 9.0e-68 (AC004481) putative protein transport protein SEC61 alpha subunit [Arabidopsis thaliana]'		

Seq. No.	30648	Seq. ID	OJ990429_01.9924.C23
Gene No.	63347	Strand	-
Start	2960	End	5318
Name	OJ990429_01.9924.C23.o2.gs	Method	GENSCAN
Start	2960	End	4221
GI	none	Score	.46
Exons	2960..3096, 4053..4221		

Seq. No.	30648	Seq. ID	OJ990429_01.9924.C23
Gene No.	63347	Strand	-
Start	2960	End	5318
Name	OJ990429_01.9924.C23.o1.np	Method	AAT/NAP
Start	3055	End	5318
GI	5103848	Score	86
Exons	3055..3102, 3587..3847, 5276..5318		
GI Descrip.	(AC007591) F9L1.16 [Arabidopsis thaliana]		

Seq. No.	30648	Seq. ID	OJ990429_01.9924.C23
Gene No.	63347	Strand	-
Start	2960	End	5318
Name	OJ990429_01.9924.C23.o1.tm	Method	TBLASTX:Maize
Start	4061	End	4687
GI	none	Score	153
Exons	4061..4249, 4073..4249, 4135..4251, 4135..4251, 4247..4309, 4248..4310, 4323..4415, 4325..4414, 4417..4539, 4425..4544,		

4549..4644, 4554..4679, 4556..4687, 4557..4679

Seq. No.	30648	Seq. ID	OJ990429_01.9924.C23
Gene No.	63348	Strand	
Start	5688	End	6202
Name	OJ990429_01.9924.C23.o1.tw	Method	TBLASTX:Wheat
Start	5688	End	6073
GI	none	Score	162
Exons	5688..5891, 5726..5890, 5898..6029, 5915..5992, 6032..6073		

Seq. No.	30648	Seq. ID	OJ990429_01.9924.C23
Gene No.	63348	Strand	
Start	5688	End	6202
Name	OJ990429_01.9924.C23.o1.ts	Method	TBLASTX:Soybean
Start	5772	End	6202
GI	5509260	Score	202
Exons	5772..5945, 5775..6041, 5783..5992, 6041..6202, 6055..6126		
GI Descrip.	-		

Seq. No.	30648	Seq. ID	OJ990429_01.9924.C23
Gene No.	63348	Strand	
Start	5688	End	6202
Name	OJ990429_01.9924.C23.o2.tm	Method	TBLASTX:Maize
Start	5775	End	6082
GI	none	Score	228
Exons	5775..6029, 5783..5992, 6047..6082		

Seq. No.	30648	Seq. ID	OJ990429_01.9924.C23
Gene No.	63348	Strand	
Start	5688	End	6202
Name	OJ990429_01.9924.C23.o1.tc	Method	TBLASTX:Cress
Start	5862	End	6121
GI	none	Score	163
Exons	5862..5996, 5864..5989, 6050..6121		

Seq. No.	30649	Seq. ID	OJ990429_01.9924.C24
Gene No.	63349	Strand	+
Start	279	End	743
Name	OJ990429_01.9924.C24.o1.np	Method	AAT/NAP
Start	279	End	743
GI	6721519	Score	190
Exons	279..375, 582..743		
GI Descrip.	(AP001072) EST AU082116(E4026) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30649	Seq. ID	OJ990429_01.9924.C24
Gene No.	63349	Strand	+
Start	279	End	743
Name	OJ990429_01.9924.C24.o1.gs	Method	GENSCAN
Start	597	End	731
GI	none	Score	.9
Exons	597..731		

Seq. No.	30650	Seq. ID	OJ990429_01.9924.C25
Gene No.	63350	Strand	+
Start	489	End	791
Name	OJ990429_01.9924.C25.o1.gs	Method	GENSCAN

Start	489	End	729
GI	none	Score	.76
Exons	489..729		

Seq. No.	30650	Seq. ID	OJ990429_01.9924.C25
Gene No.	63350	Strand	+
Start	489	End	791
Name	OJ990429_01.9924.C25.o1.np	Method	AAT/NAP
Start	570	End	791
GI	4580471	Score	137
Exons	570..791		
GI Descrip.	(AC006081) unknown protein [Arabidopsis thaliana]		

Seq. No.	30651	Seq. ID	OJ990429_01.9924.C27
Gene No.	63351	Strand	+
Start	252	End	341
Name	OJ990429_01.9924.C27.o1.gs	Method	GENSCAN
Start	252	End	341
GI	none	Score	.85
Exons	252..341		

Seq. No.	30652	Seq. ID	OJ990729_05.9924.C1
Gene No.	63352	Strand	+
Start	4068	End	4272
Name	OJ990729_05.9924.C1.o2.np	Method	AAT/NAP
Start	4068	End	4272
GI	4680186	Score	208
Exons	4068..4272		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	30652	Seq. ID	OJ990729_05.9924.C1
Gene No.	63353	Strand	-
Start	1	End	2596
Name	OJ990729_05.9924.C1.o1.np	Method	AAT/NAP
Start	1	End	2596
GI	4680179	Score	570
Exons	1..88, 1338..1541, 1712..2596		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	30652	Seq. ID	OJ990729_05.9924.C1
Gene No.	63354	Strand	-
Start	3828	End	4200
Name	OJ990729_05.9924.C1.o1.gp	Method	AAT/GAP
Start	3828	End	4200
GI	uC-osf1cyp033a04b1	Score	516
Exons	3828..4200		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	30652	Seq. ID	OJ990729_05.9924.C1
Gene No.	63355	Strand	-
Start	4661	End	10335
Name	OJ990729_05.9924.C1.o3.tm	Method	TBLASTX:Maize
Start	1814	End	2113
GI	none	Score	71
Exons	1814..2113, 2010..2099		

Seq. No.	30652	Seq. ID	OJ990729_05.9924.C1
Gene No.	63355	Strand	-
Start	4661	End	10335
Name	OJ990729_05.9924.C1.o4.tw	Method	TBLASTX:Wheat
Start	1994	End	2353
GI	none	Score	136
Exons	1994..2353, 1998..2351		

Seq. No.	30652	Seq. ID	OJ990729_05.9924.C1
Gene No.	63355	Strand	-
Start	4661	End	10335
Name	OJ990729_05.9924.C1.o2.gs	Method	GENSCAN
Start	4661	End	10257
GI	none	Score	.62
Exons	4661..4765, 5317..5937, 6231..6410, 8107..10167, 10192..10257		

Seq. No.	30652	Seq. ID	OJ990729_05.9924.C1
Gene No.	63355	Strand	-
Start	4661	End	10335
Name	OJ990729_05.9924.C1.o3.np	Method	AAT/NAP
Start	4664	End	6565
GI	6907087	Score	1099
Exons	4664..4765, 5317..5985, 6195..6565		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30652	Seq. ID	OJ990729_05.9924.C1
Gene No.	63355	Strand	-
Start	4661	End	10335
Name	OJ990729_05.9924.C1.o3.gp	Method	AAT/GAP
Start	7077	End	10335
GI	342_1.R1084	Score	4958
Exons	7077..7122, 7312..7646, 7756..7853, 7972..10335		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	30652	Seq. ID	OJ990729_05.9924.C1
Gene No.	63355	Strand	-
Start	4661	End	10335
Name	OJ990729_05.9924.C1.o6.gp	Method	AAT/GAP
Start	7293	End	10335
GI	342_1.R1084	Score	4972
Exons	7293..7646, 7756..7853, 7972..10335		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	30652	Seq. ID	OJ990729_05.9924.C1
Gene No.	63355	Strand	-
Start	4661	End	10335
Name	OJ990729_05.9924.C1.o7.gp	Method	AAT/GAP
Start	7295	End	10335
GI	342_1.R1084	Score	4972
Exons	7295..7646, 7756..7853, 7972..10335		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	30652	Seq. ID	OJ990729_05.9924.C1
Gene No.	63355	Strand	-
Start	4661	End	10335
Name	OJ990729_05.9924.C1.o5.gp	Method	AAT/GAP
Start	7302	End	10335
GI	342_1.R1084	Score	4966
Exons	7302..7646, 7756..7853, 7972..10335		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	30652	Seq. ID	OJ990729_05.9924.C1
Gene No.	63355	Strand	-
Start	4661	End	10335
Name	OJ990729_05.9924.C1.o4.gp	Method	AAT/GAP
Start	7312	End	10335
GI	342_1.R1084	Score	4962
Exons	7312..7646, 7756..7853, 7972..10335		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	30652	Seq. ID	OJ990729_05.9924.C1
Gene No.	63355	Strand	-
Start	4661	End	10335
Name	OJ990729_05.9924.C1.o1.tw	Method	TBLASTX:Wheat
Start	8131	End	9448
GI	none	Score	131
Exons	8131..8223, 8212..8292, 8305..8445, 8306..8446, 8393..8488, 8425..8484, 8491..8535, 8496..8531, 8530..9447, 8546..9448, 8723..9448		

Seq. No.	30652	Seq. ID	OJ990729_05.9924.C1
Gene No.	63355	Strand	-
Start	4661	End	10335
Name	OJ990729_05.9924.C1.o4.np	Method	AAT/NAP
Start	8615	End	10335
GI	6742729	Score	2720
Exons	8615..10335		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	30652	Seq. ID	OJ990729_05.9924.C1
Gene No.	63355	Strand	-
Start	4661	End	10335
Name	OJ990729_05.9924.C1.o1.tc	Method	TBLASTX:Cress
Start	8713	End	9164
GI	none	Score	185
Exons	8713..9150, 8713..9156, 8717..9160, 8723..9160, 8982..9164		

Seq. No.	30652	Seq. ID	OJ990729_05.9924.C1
Gene No.	63355	Strand	-
Start	4661	End	10335
Name	OJ990729_05.9924.C1.o1.tm	Method	TBLASTX:Maize
Start	9091	End	9427
GI	none	Score	157
Exons	9091..9411, 9092..9427		

Seq. No.	30652	Seq. ID	OJ990729_05.9924.C1
Gene No.	63355	Strand	-

Start	4661	End	10335
Name	OJ990729_05.9924.C1.o2.tw	Method	TBLASTX:Wheat
Start	9449	End	9859
GI	none	Score	81
Exons	9449..9535, 9451..9540, 9451..9534, 9568..9810, 9608..9790, 9796..9858, 9809..9859		

Seq. No.	30652	Seq. ID	OJ990729_05.9924.C1
Gene No.	63355	Strand	-
Start	4661	End	10335
Name	OJ990729_05.9924.C1.o1.ts	Method	TBLASTX:Soybean
Start	9892	End	10134
GI	none	Score	218
Exons	9892..10134		

Seq. No.	30652	Seq. ID	OJ990729_05.9924.C1
Gene No.	63355	Strand	-
Start	4661	End	10335
Name	OJ990729_05.9924.C1.o2.tm	Method	TBLASTX:Maize
Start	9964	End	10333
GI	none	Score	76
Exons	9964..10158, 10169..10333, 10177..10332		

Seq. No.	30652	Seq. ID	OJ990729_05.9924.C1
Gene No.	63355	Strand	-
Start	4661	End	10335
Name	OJ990729_05.9924.C1.o3.tw	Method	TBLASTX:Wheat
Start	9998	End	10333
GI	none	Score	161
Exons	9998..10204, 10003..10206, 10003..10206, 10207..10305, 10208..10300, 10309..10332, 10313..10333		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63356	Strand	+
Start	2661	End	7203
Name	OJ990729_05.9924.C2.o1.np	Method	AAT/NAP
Start	2661	End	7200
GI	4680179	Score	6699
Exons	2661..7200		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63356	Strand	+
Start	2661	End	7203
Name	OJ990729_05.9924.C2.o2.gs	Method	GENSCAN
Start	2661	End	7203
GI	none	Score	.52
Exons	2661..3070, 3163..3287, 3398..5314, 5414..7203		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63357	Strand	-
Start	201	End	1825
Name	OJ990729_05.9924.C2.o1.gs	Method	GENSCAN
Start	201	End	1825
GI	none	Score	.67
Exons	201..249, 995..1113, 1520..1656, 1792..1825		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63358	Strand	-
Start	7480	End	8156
Name	OJ990729_05.9924.C2.o7.tw	Method	TBLASTX:Wheat
Start	2874	End	3256
GI	none	Score	244
Exons	2874..3188, 2894..3169, 3179..3256, 3187..3255		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63358	Strand	-
Start	7480	End	8156
Name	OJ990729_05.9924.C2.o8.tm	Method	TBLASTX:Maize
Start	3173	End	3433
GI	none	Score	181
Exons	3173..3433, 3187..3324		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63358	Strand	-
Start	7480	End	8156
Name	OJ990729_05.9924.C2.o8.tw	Method	TBLASTX:Wheat
Start	3787	End	4188
GI	none	Score	143
Exons	3787..4011, 3819..3953, 3994..4107, 4015..4188, 4089..4157		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63358	Strand	-
Start	7480	End	8156
Name	OJ990729_05.9924.C2.o7.tm	Method	TBLASTX:Maize
Start	3825	End	4101
GI	none	Score	194
Exons	3825..3926, 3826..4101		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63358	Strand	-
Start	7480	End	8156
Name	OJ990729_05.9924.C2.o4.tw	Method	TBLASTX:Wheat
Start	4363	End	4845
GI	none	Score	546
Exons	4363..4845, 4467..4802		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63358	Strand	-
Start	7480	End	8156
Name	OJ990729_05.9924.C2.o4.ts	Method	TBLASTX:Soybean
Start	4399	End	4713
GI	none	Score	183
Exons	4399..4713		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63358	Strand	-
Start	7480	End	8156
Name	OJ990729_05.9924.C2.o3.tm	Method	TBLASTX:Maize
Start	4432	End	4899
GI	none	Score	389
Exons	4432..4899, 4503..4802		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2

Gene No.	63358	Strand	-
Start	7480	End	8156
Name	OJ990729_05.9924.C2.o1.ts	Method	TBLASTX:Soybean
Start	4786	End	5181
GI	none	Score	57
Exons	4786..4818, 4788..4814, 4822..5181, 4829..4969, 4843..5151, 4938..5180		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63358	Strand	-
Start	7480	End	8156
Name	OJ990729_05.9924.C2.o5.tw	Method	TBLASTX:Wheat
Start	4894	End	5196
GI	none	Score	408
Exons	4894..5196, 4894..5187, 4932..5195		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63358	Strand	-
Start	7480	End	8156
Name	OJ990729_05.9924.C2.o5.tm	Method	TBLASTX:Maize
Start	4915	End	5268
GI	none	Score	329
Exons	4915..5268, 4983..5261		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63358	Strand	-
Start	7480	End	8156
Name	OJ990729_05.9924.C2.o3.tw	Method	TBLASTX:Wheat
Start	5197	End	5622
GI	none	Score	596
Exons	5197..5622, 5205..5615		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63358	Strand	-
Start	7480	End	8156
Name	OJ990729_05.9924.C2.o3.ts	Method	TBLASTX:Soybean
Start	5203	End	5448
GI	none	Score	201
Exons	5203..5448		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63358	Strand	-
Start	7480	End	8156
Name	OJ990729_05.9924.C2.o2.tm	Method	TBLASTX:Maize
Start	5269	End	5629
GI	none	Score	467
Exons	5269..5622, 5271..5615, 5430..5627, 5477..5629		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63358	Strand	-
Start	7480	End	8156
Name	OJ990729_05.9924.C2.o2.tw	Method	TBLASTX:Wheat
Start	5686	End	6189
GI	none	Score	607
Exons	5686..6189, 5743..6156, 5915..6184, 5934..6188		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2

Gene No.	63358	Strand	-
Start	7480	End	8156
Name	OJ990729_05.9924.C2.o1.tc	Method	TBLASTX:Cress
Start	5896	End	6213
GI	none	Score	86
Exons	5896..6069, 6070..6213, 6072..6212		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63358	Strand	-
Start	7480	End	8156
Name	OJ990729_05.9924.C2.o2.ts	Method	TBLASTX:Soybean
Start	5977	End	6237
GI	none	Score	299
Exons	5977..6237, 5980..6138, 5982..6236, 6178..6237		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63358	Strand	-
Start	7480	End	8156
Name	OJ990729_05.9924.C2.o4.tm	Method	TBLASTX:Maize
Start	6036	End	6327
GI	none	Score	386
Exons	6036..6323, 6037..6327		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63358	Strand	-
Start	7480	End	8156
Name	OJ990729_05.9924.C2.o1.tw	Method	TBLASTX:Wheat
Start	6196	End	6822
GI	none	Score	727
Exons	6196..6822, 6201..6821		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63358	Strand	-
Start	7480	End	8156
Name	OJ990729_05.9924.C2.o1.tm	Method	TBLASTX:Maize
Start	6376	End	6963
GI	none	Score	226
Exons	6376..6537, 6384..6530, 6535..6963, 6540..6962		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63358	Strand	-
Start	7480	End	8156
Name	OJ990729_05.9924.C2.o6.tw	Method	TBLASTX:Wheat
Start	6822	End	7155
GI	none	Score	371
Exons	6822..7022, 6823..7155, 7064..7120		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63358	Strand	-
Start	7480	End	8156
Name	OJ990729_05.9924.C2.o6.tm	Method	TBLASTX:Maize
Start	6964	End	7176
GI	none	Score	209
Exons	6964..7176		

Seq. No.	30653	Seq. ID	OJ990729_05.9924.C2
Gene No.	63358	Strand	-

Start	7480	End	8156
Name	OJ990729_05.9924.C2.o2.np	Method	AAT/NAP
Start	7480	End	8156
GI	5295955	Score	194
Exons	7480..8156		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	30654	Seq. ID	OJ990729_05.9924.C5
Gene No.	63359	Strand	+
Start	1	End	1560
Name	OJ990729_05.9924.C5.o1.np	Method	AAT/NAP
Start	1	End	1560
GI	6006374	Score	1137
Exons	1..880, 1511..1560		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	30654	Seq. ID	OJ990729_05.9924.C5
Gene No.	63359	Strand	+
Start	1	End	1560
Name	OJ990729_05.9924.C5.o1.gp	Method	AAT/GAP
Start	909	End	1374
GI	LIB3432-059-P1-K1-D8	Score	735
Exons	909..1374		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	30655	Seq. ID	OJ990729_05.9924.C7
Gene No.	63360	Strand	+
Start	1349	End	1469
Name	OJ990729_05.9924.C7.o1.gs	Method	GENSCAN
Start	1349	End	1469
GI	none	Score	.77
Exons	1349..1469		

Seq. No.	30656	Seq. ID	OJ990729_05.9924.C8
Gene No.	63361	Strand	+
Start	548	End	5566
Name	OJ990729_05.9924.C8.o1.gs	Method	GENSCAN
Start	548	End	5524
GI	none	Score	.44
Exons	548..881, 911..1124, 1759..2050, 2534..2600, 2665..4478, 4600..5003, 5380..5524		

Seq. No.	30656	Seq. ID	OJ990729_05.9924.C8
Gene No.	63361	Strand	+
Start	548	End	5566
Name	OJ990729_05.9924.C8.o2.np	Method	AAT/NAP
Start	2806	End	5566
GI	5441880	Score	1758
Exons	2806..3820, 4265..4296, 4556..4879, 5382..5566		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	30656	Seq. ID	OJ990729_05.9924.C8

Gene No.	63362	Strand	-
Start	544	End	3349
Name	OJ990729_05.9924.C8.o1.np	Method	AAT/NAP
Start	544	End	3349
GI	2760834	Score	144
Exons	544..948, 3303..3349		
GI Descrip.	(AC003105) putative nitrate transporter [Arabidopsis thaliana]		

Seq. No.	30656	Seq. ID	OJ990729_05.9924.C8
Gene No.	63363	Strand	
Start	3376	End	4047
Name	OJ990729_05.9924.C8.o1.tm	Method	TBLASTX:Maize
Start	3376	End	3972
GI	none	Score	367
Exons	3376..3843, 3381..3494, 3534..3854, 3901..3972		

Seq. No.	30656	Seq. ID	OJ990729_05.9924.C8
Gene No.	63363	Strand	
Start	3376	End	4047
Name	OJ990729_05.9924.C8.o1.tw	Method	TBLASTX:Wheat
Start	3672	End	4047
GI	none	Score	192
Exons	3672..3824, 3673..3876, 3874..4047, 3883..4038		

Seq. No.	30657	Seq. ID	OJ990729_05.9924.C9
Gene No.	63364	Strand	+
Start	1	End	2176
Name	OJ990729_05.9924.C9.o1.np	Method	AAT/NAP
Start	1	End	2164
GI	5441880	Score	692
Exons	1..94, 667..965, 1069..1549, 1917..2164		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	30657	Seq. ID	OJ990729_05.9924.C9
Gene No.	63364	Strand	+
Start	1	End	2176
Name	OJ990729_05.9924.C9.o1.gs	Method	GENSCAN
Start	47	End	2176
GI	none	Score	.68
Exons	47..94, 174..587, 667..965, 1069..1330, 1417..1672, 1808..1938, 2006..2176		

Seq. No.	30657	Seq. ID	OJ990729_05.9924.C9
Gene No.	63365	Strand	-
Start	2936	End	4227
Name	OJ990729_05.9924.C9.o2.np	Method	AAT/NAP
Start	2915	End	4203
GI	3980405	Score	581
Exons	2915..3103, 3510..4059, 4139..4203		
GI Descrip.	(AC004561) putative tropinone reductase [Arabidopsis thaliana]		

Seq. No.	30657	Seq. ID	OJ990729_05.9924.C9
Gene No.	63365	Strand	-
Start	2936	End	4227
Name	OJ990729_05.9924.C9.o2.gs	Method	GENSCAN

Start	2936	End	4227
GI	none	Score	.95
Exons	2936..3103, 3510..4059, 4139..4227		

Seq. No.	30657	Seq. ID	OJ990729_05.9924.C9
Gene No.	63366	Strand	-
Start	4664	End	4789
Name	OJ990729_05.9924.C9.o2.tm	Method	TBLASTX:Maize
Start	2912	End	3686
GI	none	Score	93
Exons	2912..3085, 2943..3029, 3507..3686, 3508..3684		

Seq. No.	30657	Seq. ID	OJ990729_05.9924.C9
Gene No.	63366	Strand	-
Start	4664	End	4789
Name	OJ990729_05.9924.C9.o1.ts	Method	TBLASTX:Soybean
Start	2927	End	4194
GI	none	Score	77
Exons	2927..3049, 2943..3023, 3513..3686, 3526..3684, 3732..4058, 3733..3801, 4009..4059, 4135..4194, 4139..4192		

Seq. No.	30657	Seq. ID	OJ990729_05.9924.C9
Gene No.	63366	Strand	-
Start	4664	End	4789
Name	OJ990729_05.9924.C9.o1.tc	Method	TBLASTX:Cress
Start	2939	End	4194
GI	none	Score	73
Exons	2939..3112, 2946..3017, 3507..3686, 3541..3678, 3732..4058, 3733..3858, 4012..4059, 4135..4194, 4139..4192		

Seq. No.	30657	Seq. ID	OJ990729_05.9924.C9
Gene No.	63366	Strand	-
Start	4664	End	4789
Name	OJ990729_05.9924.C9.o1.tw	Method	TBLASTX:Wheat
Start	2939	End	3686
GI	none	Score	85
Exons	2939..3097, 2943..3026, 3507..3611, 3507..3686, 3511..3678		

Seq. No.	30657	Seq. ID	OJ990729_05.9924.C9
Gene No.	63366	Strand	-
Start	4664	End	4789
Name	OJ990729_05.9924.C9.o1.tm	Method	TBLASTX:Maize
Start	3732	End	4195
GI	none	Score	179
Exons	3732..4058, 3733..4059, 4135..4194, 4139..4195		

Seq. No.	30657	Seq. ID	OJ990729_05.9924.C9
Gene No.	63366	Strand	-
Start	4664	End	4789
Name	OJ990729_05.9924.C9.o3.gs	Method	GENSCAN
Start	4664	End	4789
GI	none	Score	.77
Exons	4664..4789		

Seq. No.	30658	Seq. ID	OJ990729_05.9924.C10
Gene No.	63367	Strand	+
Start	4240	End	4859

Name	OJ990729_05.9924.C10.o1.gp	Method	AAT/GAP
Start	4240	End	4720
GI	LIB3433-043-P1-K1-F7	Score	376
Exons	4240..4443, 4665..4720		
GI Descrip.	'2459448 1.0e-30 (AC002332) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]'		

Seq. No.	30658	Seq. ID	OJ990729_05.9924.C10
Gene No.	63367	Strand	+
Start	4240	End	4859
Name	OJ990729_05.9924.C10.o1.np	Method	AAT/NAP
Start	4276	End	4859
GI	2459448	Score	165
Exons	4276..4443, 4665..4859		
GI Descrip.	(AC002332) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]		

Seq. No.	30658	Seq. ID	OJ990729_05.9924.C10
Gene No.	63367	Strand	+
Start	4240	End	4859
Name	OJ990729_05.9924.C10.o1.tm	Method	TBLASTX:Maize
Start	4276	End	4801
GI	none	Score	147
Exons	4276..4404, 4278..4436, 4278..4406, 4367..4438, 4667..4735, 4745..4801		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63368	Strand	+
Start	1079	End	7180
Name	OJ990729_05.9924.C11.o1.gs	Method	GENSCAN
Start	1079	End	7180
GI	none	Score	.61
Exons	1079..3877, 4013..7180		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63368	Strand	+
Start	1079	End	7180
Name	OJ990729_05.9924.C11.o1.np	Method	AAT/NAP
Start	1079	End	7144
GI	5922631	Score	6659
Exons	1079..1203, 1462..1709, 1944..2146, 2192..2763, 2806..2954, 3081..4004, 4617..7144		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63369	Strand	-
Start	7497	End	10437
Name	OJ990729_05.9924.C11.o2.gs	Method	GENSCAN
Start	7497	End	10437
GI	none	Score	.94
Exons	7497..7945, 8018..8122, 8194..8383, 8459..8646, 8766..9097,		

9180..9355, 9553..10437

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63369	Strand	-
Start	7497	End	10437
Name	OJ990729_05.9924.C11.o2.np	Method	AAT/NAP
Start	7500	End	10437
GI	6691716	Score	2311
Exons	7500..7945, 8018..8130, 8280..8383, 8459..8653, 8830..9097, 9180..9355, 9553..10437		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63370	Strand	-
Start	11301	End	13371
Name	OJ990729_05.9924.C11.o7.tw	Method	TBLASTX:Wheat
Start	2368	End	2770
GI	none	Score	294
Exons	2368..2637, 2369..2770		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63370	Strand	-
Start	11301	End	13371
Name	OJ990729_05.9924.C11.o1.tw	Method	TBLASTX:Wheat
Start	3344	End	4141
GI	none	Score	150
Exons	3344..3526, 3407..3520, 3565..3801, 3569..3799, 3848..4141, 3913..4137		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63370	Strand	-
Start	11301	End	13371
Name	OJ990729_05.9924.C11.o3.ts	Method	TBLASTX:Soybean
Start	4061	End	4426
GI	none	Score	138
Exons	4061..4285, 4292..4426		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63370	Strand	-
Start	11301	End	13371
Name	OJ990729_05.9924.C11.o6.tw	Method	TBLASTX:Wheat
Start	4142	End	4459
GI	none	Score	379
Exons	4142..4459, 4162..4458		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63370	Strand	-
Start	11301	End	13371
Name	OJ990729_05.9924.C11.o3.tm	Method	TBLASTX:Maize
Start	4151	End	4513
GI	none	Score	322
Exons	4151..4453, 4192..4452, 4456..4503, 4469..4513		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63370	Strand	-

Start	11301	End	13371
Name	OJ990729_05.9924.C11.o10.tw	Method	TBLASTX:Wheat
Start	4463	End	4597
GI	none	Score	193
Exons	4463..4597, 4468..4596		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63370	Strand	-
Start	11301	End	13371
Name	OJ990729_05.9924.C11.o2.tw	Method	TBLASTX:Wheat
Start	4598	End	5022
GI	none	Score	447
Exons	4598..5017, 4642..5022, 4663..5022		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63370	Strand	-
Start	11301	End	13371
Name	OJ990729_05.9924.C11.o1.ts	Method	TBLASTX:Soybean
Start	4646	End	5077
GI	none	Score	321
Exons	4646..5077, 4693..4836, 4873..5043		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63370	Strand	-
Start	11301	End	13371
Name	OJ990729_05.9924.C11.o2.tm	Method	TBLASTX:Maize
Start	4744	End	5188
GI	none	Score	275
Exons	4744..4998, 4745..4999, 5020..5151, 5021..5164, 5162..5188		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63370	Strand	-
Start	11301	End	13371
Name	OJ990729_05.9924.C11.o8.tw	Method	TBLASTX:Wheat
Start	5026	End	5312
GI	none	Score	275
Exons	5026..5310, 5027..5308, 5214..5312		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63370	Strand	-
Start	11301	End	13371
Name	OJ990729_05.9924.C11.o2.ts	Method	TBLASTX:Soybean
Start	5303	End	5691
GI	none	Score	88
Exons	5303..5407, 5311..5691, 5447..5689		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63370	Strand	-
Start	11301	End	13371
Name	OJ990729_05.9924.C11.o5.tw	Method	TBLASTX:Wheat
Start	5312	End	5734
GI	none	Score	416
Exons	5312..5734, 5320..5724		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63370	Strand	-
Start	11301	End	13371

Name	OJ990729_05.9924.C11.o5.tm	Method	TBLASTX:Maize
Start	5365	End	5638
GI	none	Score	126
Exons	5365..5535, 5366..5536, 5540..5638, 5572..5637		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63370	Strand	-
Start	11301	End	13371
Name	OJ990729_05.9924.C11.o11.tw	Method	TBLASTX:Wheat
Start	5750	End	6049
GI	none	Score	130
Exons	5750..5884, 5924..6049		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63370	Strand	-
Start	11301	End	13371
Name	OJ990729_05.9924.C11.o1.tm	Method	TBLASTX:Maize
Start	6047	End	6409
GI	none	Score	447
Exons	6047..6370, 6067..6390, 6067..6357, 6362..6409		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63370	Strand	-
Start	11301	End	13371
Name	OJ990729_05.9924.C11.o4.tw	Method	TBLASTX:Wheat
Start	6052	End	6439
GI	none	Score	421
Exons	6052..6363, 6053..6439, 6254..6439		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63370	Strand	-
Start	11301	End	13371
Name	OJ990729_05.9924.C11.o6.tm	Method	TBLASTX:Maize
Start	6511	End	6784
GI	none	Score	95
Exons	6511..6618, 6512..6610, 6601..6675, 6605..6688, 6698..6784		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63370	Strand	-
Start	11301	End	13371
Name	OJ990729_05.9924.C11.o3.tw	Method	TBLASTX:Wheat
Start	6554	End	7168
GI	none	Score	356
Exons	6554..7045, 6574..6663, 6715..6816, 7031..7168, 7042..7164		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63370	Strand	-
Start	11301	End	13371
Name	OJ990729_05.9924.C11.o4.tm	Method	TBLASTX:Maize
Start	6896	End	7129
GI	none	Score	152
Exons	6896..7048, 6997..7047, 7027..7128, 7028..7129		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63370	Strand	-
Start	11301	End	13371
Name	OJ990729_05.9924.C11.o9.tw	Method	TBLASTX:Wheat

Start	10027	End	10317
GI	none	Score	216
Exons	10027..10317		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63370	Strand	-
Start	11301	End	13371
Name	OJ990729_05.9924.C11.o3.gs	Method	GENSCAN
Start	11301	End	13371
GI	none	Score	.79
Exons	11301..11426, 12403..12440, 12842..12985, 13309..13371		

Seq. No.	30659	Seq. ID	OJ990729_05.9924.C11
Gene No.	63370	Strand	-
Start	11301	End	13371
Name	OJ990729_05.9924.C11.o1.gp	Method	AAT/GAP
Start	11742	End	11889
GI	uC-osflcyp177g01a1	Score	237
Exons	11742..11889		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	30660	Seq. ID	OJ990729_05.9924.C12
Gene No.	63371	Strand	-
Start	237	End	1678
Name	OJ990729_05.9924.C12.o1.gs	Method	GENSCAN
Start	237	End	1678
GI	none	Score	.68
Exons	237..360, 642..1678		

Seq. No.	30661	Seq. ID	OJ990729_05.9924.C13
Gene No.	63372	Strand	+
Start	398	End	2308
Name	OJ990729_05.9924.C13.o1.gs	Method	GENSCAN
Start	398	End	2308
GI	none	Score	.47
Exons	398..484, 1551..1619, 1902..2167, 2221..2308		

Seq. No.	30661	Seq. ID	OJ990729_05.9924.C13
Gene No.	63373	Strand	+
Start	2351	End	2504
Name	OJ990729_05.9924.C13.o1.np	Method	AAT/NAP
Start	2351	End	2504
GI	6907084	Score	128
Exons	2351..2504		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	30661	Seq. ID	OJ990729_05.9924.C13
Gene No.	63374	Strand	+
Start	2903	End	5073
Name	OJ990729_05.9924.C13.o2.gs	Method	GENSCAN
Start	2903	End	4981
GI	none	Score	.76
Exons	2903..4981		

Seq. No.	30661	Seq. ID	OJ990729_05.9924.C13
Gene No.	63374	Strand	+

Start	2903	End	5073
Name	OJ990729_05.9924.C13.o2.np	Method	AAT/NAP
Start	2903	End	5073
GI	6016874	Score	1786
Exons	2903..2981, 3065..3202, 3267..3499, 3890..4049, 4443..4622, 4734..5073		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	30661	Seq. ID	OJ990729_05.9924.C13
Gene No.	63374	Strand	+
Start	2903	End	5073
Name	OJ990729_05.9924.C13.o1.tm	Method	TBLASTX:Maize
Start	3251	End	3697
GI	none	Score	69
Exons	3251..3337, 3322..3531, 3323..3571, 3608..3664, 3659..3697		

Seq. No.	30661	Seq. ID	OJ990729_05.9924.C13
Gene No.	63374	Strand	+
Start	2903	End	5073
Name	OJ990729_05.9924.C13.o1.gp	Method	AAT/GAP
Start	3592	End	4100
GI	uC-osflcyp110c07b1	Score	970
Exons	3592..4100		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	30661	Seq. ID	OJ990729_05.9924.C13
Gene No.	63374	Strand	+
Start	2903	End	5073
Name	OJ990729_05.9924.C13.o3.tm	Method	TBLASTX:Maize
Start	3791	End	4105
GI	none	Score	65
Exons	3791..3865, 3878..4105, 3886..4104		

Seq. No.	30661	Seq. ID	OJ990729_05.9924.C13
Gene No.	63374	Strand	+
Start	2903	End	5073
Name	OJ990729_05.9924.C13.o4.tm	Method	TBLASTX:Maize
Start	4310	End	4692
GI	none	Score	241
Exons	4310..4591, 4321..4692		

Seq. No.	30661	Seq. ID	OJ990729_05.9924.C13
Gene No.	63374	Strand	+
Start	2903	End	5073
Name	OJ990729_05.9924.C13.o2.tm	Method	TBLASTX:Maize
Start	4768	End	5011
GI	none	Score	267
Exons	4768..4926, 4778..5011		

Seq. No.	30662	Seq. ID	OJ990729_05.9924.C14
Gene No.	63375	Strand	+
Start	112	End	2218
Name	OJ990729_05.9924.C14.o1.gs	Method	GENSCAN

Start	112	End	2218
GI	none	Score	.76
Exons	112..366, 666..687, 2150..2218		

Seq. No.	30662	Seq. ID	OJ990729_05.9924.C14
Gene No.	63376	Strand	+
Start	3482	End	8685
Name	OJ990729_05.9924.C14.o2.gs	Method	GENSCAN
Start	3482	End	8685
GI	none	Score	.55
Exons	3482..3522, 3691..3852, 4534..4566, 4941..5019, 7316..7536, 7913..7969, 8115..8146, 8669..8685		

Seq. No.	30662	Seq. ID	OJ990729_05.9924.C14
Gene No.	63377	Strand	+
Start	9558	End	12298
Name	OJ990729_05.9924.C14.o3.gs	Method	GENSCAN
Start	9558	End	12298
GI	none	Score	.65
Exons	9558..10971, 11025..12298		

Seq. No.	30663	Seq. ID	OJ990729_05.9924.C15
Gene No.	63378	Strand	-
Start	310	End	3423
Name	OJ990729_05.9924.C15.o1.gs	Method	GENSCAN
Start	310	End	3323
GI	none	Score	.78
Exons	310..495, 575..673, 776..848, 936..1046, 1143..1316, 1428..2259, 2367..2508, 2583..3323		

Seq. No.	30663	Seq. ID	OJ990729_05.9924.C15
Gene No.	63378	Strand	-
Start	310	End	3423
Name	OJ990729_05.9924.C15.o1.np	Method	AAT/NAP
Start	331	End	3423
GI	4680204	Score	785
Exons	331..533, 898..1046, 1143..1316, 1428..2508, 2583..3423		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	30663	Seq. ID	OJ990729_05.9924.C15
Gene No.	63378	Strand	-
Start	310	End	3423
Name	OJ990729_05.9924.C15.o2.tw	Method	TBLASTX:Wheat
Start	977	End	1501
GI	none	Score	70
Exons	977..1048, 1148..1330, 1155..1280, 1421..1501		

Seq. No.	30663	Seq. ID	OJ990729_05.9924.C15
Gene No.	63378	Strand	-
Start	310	End	3423
Name	OJ990729_05.9924.C15.o1.gp	Method	AAT/GAP
Start	1528	End	2009
GI	uC-osflcyp176f10b1	Score	872
Exons	1528..2009		
GI Descrip.	'6041757//gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	30663	Seq. ID	OJ990729_05.9924.C15
Gene No.	63378	Strand	-
Start	310	End	3423
Name	OJ990729_05.9924.C15.o1.tw	Method	TBLASTX:Wheat
Start	2973	End	3376
GI	none	Score	42
Exons	2973..3143, 2974..3048, 3106..3273, 3138..3374, 3225..3374, 3236..3376, 3260..3376		

Seq. No.	30664	Seq. ID	OJ990729_05.9924.C16
Gene No.	63379	Strand	-
Start	1107	End	1188
Name	OJ990729_05.9924.C16.o1.gp	Method	AAT/GAP
Start	1107	End	1188
GI	LIB3477-003-P1-K1-E9	Score	151
Exons	1107..1188		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	30665	Seq. ID	OJ990709_04.9922.C1
Gene No.	63380	Strand	+
Start	1	End	8361
Name	OJ990709_04.9922.C1.o1.np	Method	AAT/NAP
Start	1	End	8358
GI	4680179	Score	5778
Exons	1..110, 643..2894, 6923..8358		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	30665	Seq. ID	OJ990709_04.9922.C1
Gene No.	63380	Strand	+
Start	1	End	8361
Name	OJ990709_04.9922.C1.o1.gs	Method	GENSCAN
Start	652	End	8361
GI	none	Score	.55
Exons	652..729, 780..966, 1153..1361, 1386..1565, 1653..2138, 2288..2410, 2639..3003, 3362..3390, 4312..4430, 4465..4732, 4766..4941, 5883..5989, 6777..7148, 7385..7409, 7567..8361		

Seq. No.	30665	Seq. ID	OJ990709_04.9922.C1
Gene No.	63381	Strand	-
Start	8760	End	8965
Name	OJ990709_04.9922.C1.o7.tw	Method	TBLASTX:Wheat
Start	915	End	1337
GI	none	Score	134
Exons	915..1109, 932..1063, 1171..1302, 1178..1333, 1179..1262, 1221..1337, 1229..1330		

Seq. No.	30665	Seq. ID	OJ990709_04.9922.C1
Gene No.	63381	Strand	-
Start	8760	End	8965
Name	OJ990709_04.9922.C1.o4.tw	Method	TBLASTX:Wheat
Start	1490	End	1967
GI	none	Score	502
Exons	1490..1933, 1494..1967		

Seq. No.	30665	Seq. ID	OJ990709_04.9922.C1
Gene No.	63381	Strand	-
Start	8760	End	8965
Name	OJ990709_04.9922.C1.o5.tm	Method	TBLASTX:Maize
Start	1505	End	1795
GI	none	Score	291
Exons	1505..1573, 1506..1784, 1601..1786, 1604..1795		

Seq. No.	30665	Seq. ID	OJ990709_04.9922.C1
Gene No.	63381	Strand	-
Start	8760	End	8965
Name	OJ990709_04.9922.C1.o4.tm	Method	TBLASTX:Maize
Start	1863	End	2362
GI	none	Score	74
Exons	1863..1967, 1967..2041, 2027..2362, 2071..2244, 2269..2319		

Seq. No.	30665	Seq. ID	OJ990709_04.9922.C1
Gene No.	63381	Strand	-
Start	8760	End	8965
Name	OJ990709_04.9922.C1.o1.ts	Method	TBLASTX:Soybean
Start	1917	End	2311
GI	none	Score	57
Exons	1917..1949, 1919..1948, 1958..2182, 1967..2311, 2065..2310		

Seq. No.	30665	Seq. ID	OJ990709_04.9922.C1
Gene No.	63381	Strand	-
Start	8760	End	8965
Name	OJ990709_04.9922.C1.o5.tw	Method	TBLASTX:Wheat
Start	2024	End	2322
GI	none	Score	386
Exons	2024..2320, 2024..2317, 2068..2322		

Seq. No.	30665	Seq. ID	OJ990709_04.9922.C1
Gene No.	63381	Strand	-
Start	8760	End	8965
Name	OJ990709_04.9922.C1.o2.tw	Method	TBLASTX:Wheat
Start	2327	End	2752
GI	none	Score	581
Exons	2327..2752, 2359..2688, 2405..2737		

Seq. No.	30665	Seq. ID	OJ990709_04.9922.C1
Gene No.	63381	Strand	-
Start	8760	End	8965
Name	OJ990709_04.9922.C1.o3.ts	Method	TBLASTX:Soybean
Start	2333	End	2578
GI	none	Score	189
Exons	2333..2578		

Seq. No.	30665	Seq. ID	OJ990709_04.9922.C1
Gene No.	63381	Strand	-
Start	8760	End	8965
Name	OJ990709_04.9922.C1.o2.tm	Method	TBLASTX:Maize
Start	2399	End	2757
GI	none	Score	457
Exons	2399..2752, 2401..2715, 2402..2737, 2452..2757, 2454..2744		

Seq. No.	30665	Seq. ID	OJ990709_04.9922.C1

Gene No.	63381	Strand	-
Start	8760	End	8965
Name	OJ990709_04.9922.C1.o3.tw	Method	TBLASTX:Wheat
Start	2773	End	7347
GI	none	Score	208
Exons	2773..3012, 2774..3070, 6769..7347, 6901..7314, 7092..7346		

Seq. No.	30665	Seq. ID	OJ990709_04.9922.C1
Gene No.	63381	Strand	-
Start	8760	End	8965
Name	OJ990709_04.9922.C1.o1.tc	Method	TBLASTX:Cress
Start	7054	End	7371
GI	none	Score	83
Exons	7054..7227, 7228..7371, 7230..7370		

Seq. No.	30665	Seq. ID	OJ990709_04.9922.C1
Gene No.	63381	Strand	-
Start	8760	End	8965
Name	OJ990709_04.9922.C1.o2.ts	Method	TBLASTX:Soybean
Start	7135	End	7395
GI	none	Score	258
Exons	7135..7395, 7140..7394		

Seq. No.	30665	Seq. ID	OJ990709_04.9922.C1
Gene No.	63381	Strand	-
Start	8760	End	8965
Name	OJ990709_04.9922.C1.o3.tm	Method	TBLASTX:Maize
Start	7195	End	7485
GI	none	Score	84
Exons	7195..7479, 7196..7414, 7200..7481, 7201..7485, 7209..7481		

Seq. No.	30665	Seq. ID	OJ990709_04.9922.C1
Gene No.	63381	Strand	-
Start	8760	End	8965
Name	OJ990709_04.9922.C1.o1.tw	Method	TBLASTX:Wheat
Start	7359	End	7980
GI	none	Score	681
Exons	7359..7979, 7360..7980		

Seq. No.	30665	Seq. ID	OJ990709_04.9922.C1
Gene No.	63381	Strand	-
Start	8760	End	8965
Name	OJ990709_04.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	7537	End	8133
GI	none	Score	213
Exons	7537..7695, 7542..7688, 7692..8120, 7693..8133		

Seq. No.	30665	Seq. ID	OJ990709_04.9922.C1
Gene No.	63381	Strand	-
Start	8760	End	8965
Name	OJ990709_04.9922.C1.o6.tw	Method	TBLASTX:Wheat
Start	7980	End	8301
GI	none	Score	354
Exons	7980..8195, 7981..8301		

Seq. No.	30665	Seq. ID	OJ990709_04.9922.C1
Gene No.	63381	Strand	-

Start	8760	End	8965
Name	OJ990709_04.9922.C1.o2.np	Method	AAT/NAP
Start	8630	End	8965
GI	6721559	Score	143
Exons	8630..8759, 8791..8965		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	30665	Seq. ID	OJ990709_04.9922.C1
Gene No.	63381	Strand	-
Start	8760	End	8965
Name	OJ990709_04.9922.C1.o2.gs	Method	GENSCAN
Start	8760	End	8891
GI	none	Score	.89
Exons	8760..8891		

Seq. No.	30666	Seq. ID	OJ990709_04.9922.C2
Gene No.	63382	Strand	+
Start	1127	End	4485
Name	OJ990709_04.9922.C2.o1.gs	Method	GENSCAN
Start	1127	End	4485
GI	none	Score	.56
Exons	1127..1231, 2026..2188, 2362..2791, 2816..3057, 3802..3882, 4146..4240, 4297..4485		

Seq. No.	30666	Seq. ID	OJ990709_04.9922.C2
Gene No.	63383	Strand	-
Start	1	End	330
Name	OJ990709_04.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	330
GI	6721560	Score	164
Exons	1..163, 217..330		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815085|dbj|BAA90371.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	30666	Seq. ID	OJ990709_04.9922.C2
Gene No.	63384	Strand	-
Start	2248	End	4855
Name	OJ990709_04.9922.C2.o2.np	Method	AAT/NAP
Start	2248	End	4855
GI	4680179	Score	1737
Exons	2248..2314, 3510..4855		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	30666	Seq. ID	OJ990709_04.9922.C2
Gene No.	63384	Strand	-
Start	2248	End	4855
Name	OJ990709_04.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	3501	End	4069
GI	none	Score	88
Exons	3501..3683, 3509..3766, 3518..3739, 3757..3906, 3758..3820, 3842..3910, 3910..4068, 3914..4069		

Seq. No.	30666	Seq. ID	OJ990709_04.9922.C2
Gene No.	63384	Strand	-

Start	2248	End	4855
Name	OJ990709_04.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	3623	End	4248
GI	none	Score	44
Exons	3623..3745, 3624..3683, 3754..4248, 3761..3823, 3769..4191, 3851..4246		

Seq. No.	30666	Seq. ID	OJ990709_04.9922.C2
Gene No.	63384	Strand	-
Start	2248	End	4855
Name	OJ990709_04.9922.C2.o2.tm	Method	TBLASTX:Maize
Start	4117	End	4395
GI	none	Score	239
Exons	4117..4341, 4121..4342, 4324..4395, 4345..4395		

Seq. No.	30666	Seq. ID	OJ990709_04.9922.C2
Gene No.	63384	Strand	-
Start	2248	End	4855
Name	OJ990709_04.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	4207	End	4455
GI	none	Score	125
Exons	4207..4341, 4208..4342, 4342..4455, 4346..4444		

Seq. No.	30666	Seq. ID	OJ990709_04.9922.C2
Gene No.	63384	Strand	-
Start	2248	End	4855
Name	OJ990709_04.9922.C2.o2.tw	Method	TBLASTX:Wheat
Start	4255	End	4779
GI	none	Score	95
Exons	4255..4341, 4259..4342, 4260..4349, 4337..4498, 4339..4779, 4348..4698, 4550..4777		

Seq. No.	30667	Seq. ID	OJ990709_04.9922.C3
Gene No.	63385	Strand	+
Start	69	End	154
Name	OJ990709_04.9922.C3.o1.gs	Method	GENSCAN
Start	69	End	154
GI	none	Score	.81
Exons	69..154		

Seq. No.	30667	Seq. ID	OJ990709_04.9922.C3
Gene No.	63386	Strand	+
Start	548	End	929
Name	OJ990709_04.9922.C3.o2.gp	Method	AAT/GAP
Start	548	End	929
GI	uC-osflcyp033a04b1	Score	667
Exons	548..929		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	30667	Seq. ID	OJ990709_04.9922.C3
Gene No.	63387	Strand	-
Start	1	End	3566
Name	OJ990709_04.9922.C3.o2.np	Method	AAT/NAP
Start	1	End	2506
GI	4680179	Score	1309
Exons	1..36, 1602..2506		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	30667	Seq. ID	OJ990709_04.9922.C3
Gene No.	63387	Strand	-
Start	1	End	3566
Name	OJ990709_04.9922.C3.o1.np	Method	AAT/NAP
Start	481	End	2425
GI	4680186	Score	342
Exons	481..681, 2357..2425		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	30667	Seq. ID	OJ990709_04.9922.C3
Gene No.	63387	Strand	-
Start	1	End	3566
Name	OJ990709_04.9922.C3.o2.gs	Method	GENSCAN
Start	626	End	3062
GI	none	Score	.5
Exons	626..681, 778..831, 1648..2239, 2345..2506, 2943..3062		

Seq. No.	30667	Seq. ID	OJ990709_04.9922.C3
Gene No.	63387	Strand	-
Start	1	End	3566
Name	OJ990709_04.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	1646	End	2011
GI	none	Score	38
Exons	1646..1726, 1647..1694, 1712..2011, 1800..2006		

Seq. No.	30667	Seq. ID	OJ990709_04.9922.C3
Gene No.	63387	Strand	-
Start	1	End	3566
Name	OJ990709_04.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	1712	End	2008
GI	none	Score	93
Exons	1712..2008, 1821..1991		

Seq. No.	30667	Seq. ID	OJ990709_04.9922.C3
Gene No.	63387	Strand	-
Start	1	End	3566
Name	OJ990709_04.9922.C3.o3.np	Method	AAT/NAP
Start	2767	End	3566
GI	5042448	Score	690
Exons	2767..3566		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	30668	Seq. ID	OJ990709_04.9922.C4
Gene No.	63388	Strand	+
Start	1	End	524
Name	OJ990709_04.9922.C4.o1.gp	Method	AAT/GAP
Start	1	End	524
GI	342_1.R1084	Score	924
Exons	1..524		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	30669	Seq. ID	OJ990709_04.9922.C5
Gene No.	63389	Strand	+

Start	826	End	4538
Name	OJ990709_04.9922.C5.o1.np	Method	AAT/NAP
Start	826	End	4520
GI	4680204	Score	1003
Exons	826..2268, 2337..3433, 3543..3716, 3813..4032, 4383..4520		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	30669	Seq. ID	OJ990709_04.9922.C5
Gene No.	63389	Strand	+
Start	826	End	4538
Name	OJ990709_04.9922.C5.o1.gs	Method	GENSCAN
Start	841	End	4538
GI	none	Score	.56
Exons	841..2262, 2374..2478, 2604..2954, 2975..3086, 3157..3433, 3543..3716, 3813..3923, 4008..4080, 4175..4273, 4353..4538		

Seq. No.	30669	Seq. ID	OJ990709_04.9922.C5
Gene No.	63389	Strand	+
Start	826	End	4538
Name	OJ990709_04.9922.C5.o1.tw	Method	TBLASTX:Wheat
Start	1469	End	1872
GI	none	Score	62
Exons	1469..1609, 1469..1579, 1471..1707, 1471..1620, 1572..1739, 1702..1872		

Seq. No.	30669	Seq. ID	OJ990709_04.9922.C5
Gene No.	63389	Strand	+
Start	826	End	4538
Name	OJ990709_04.9922.C5.o2.tw	Method	TBLASTX:Wheat
Start	3360	End	3882
GI	none	Score	55
Exons	3360..3440, 3529..3711, 3579..3704, 3811..3882		

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63390	Strand	+
Start	830	End	4029
Name	OJ990709_04.9922.C6.o1.gs	Method	GENSCAN
Start	830	End	4029
GI	none	Score	.53
Exons	830..918, 1036..1161, 2947..3090, 3883..4029		

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63390	Strand	+
Start	830	End	4029
Name	OJ990709_04.9922.C6.o3.np	Method	AAT/NAP
Start	3013	End	3201
GI	5042448	Score	113
Exons	3013..3201		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63391	Strand	+
Start	5771	End	25627
Name	OJ990709_04.9922.C6.o2.gs	Method	GENSCAN
Start	5771	End	22572
GI	none	Score	.54

Exons	5771..5798, 5822..5892, 5968..6113, 9062..9086, 9758..10390, 10468..10579, 14395..14660, 14703..14840, 16310..16991, 17519..17626, 17657..17942, 18058..18719, 18845..19020, 19273..19306, 19763..19961, 20359..20395, 20917..21117, 21932..22057, 22432..22572		

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63391	Strand	+
Start	5771	End	25627
Name	OJ990709_04.9922.C6.o1.gp	Method	AAT/GAP
Start	9898	End	10390
GI	18284_1.R1084	Score	684
Exons	9898..10390		
GI Descrip.	'416316/gb|U03445|PRS405 4.0e-20 Yeast integrative vector pRS405 with LEU2 marker, complete sequence'		

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63391	Strand	+
Start	5771	End	25627
Name	OJ990709_04.9922.C6.o2.gp	Method	AAT/GAP
Start	10312	End	10579
GI	2315_5.R1084	Score	310
Exons	10312..10390, 10468..10579		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63391	Strand	+
Start	5771	End	25627
Name	OJ990709_04.9922.C6.o4.np	Method	AAT/NAP
Start	16368	End	20745
GI	4836930	Score	881
Exons	16368..16489, 17554..17959, 18318..18718, 18910..19116, 19312..20745		
GI Descrip.	(AC006085) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63391	Strand	+
Start	5771	End	25627
Name	OJ990709_04.9922.C6.o6.np	Method	AAT/NAP
Start	20276	End	25627
GI	6063554	Score	179
Exons	20276..20360, 20773..20853, 24015..24357, 24442..24486, 25455..25627		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63392	Strand	-
Start	276	End	889
Name	OJ990709_04.9922.C6.o1.np	Method	AAT/NAP
Start	276	End	889
GI	6721559	Score	263
Exons	276..407, 436..889		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein		

[Oryza sativa]

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63393	Strand	-
Start	1502	End	16777
Name	OJ990709_04.9922.C6.o2.np	Method	AAT/NAP
Start	1502	End	16777
GI	4680183	Score	179
Exons	1502..1591, 2177..2275, 16749..16777		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63393	Strand	-
Start	1502	End	16777
Name	OJ990709_04.9922.C6.o3.gp	Method	AAT/GAP
Start	12125	End	12449
GI	2315_5.R1084	Score	76
Exons	12125..12147, 12384..12449		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63393	Strand	-
Start	1502	End	16777
Name	OJ990709_04.9922.C6.o4.gp	Method	AAT/GAP
Start	13779	End	14041
GI	2315_5.R1084	Score	337
Exons	13779..14041		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63394	Strand	-
Start	21889	End	21979
Name	OJ990709_04.9922.C6.o5.np	Method	AAT/NAP
Start	21889	End	21979
GI	6721561	Score	135
Exons	21889..21979		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63395	Strand	-
Start	22764	End	24566
Name	OJ990709_04.9922.C6.o5.ts	Method	TBLASTX:Soybean
Start	17560	End	17898
GI	none	Score	185
Exons	17560..17898		

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63395	Strand	-
Start	22764	End	24566
Name	OJ990709_04.9922.C6.o2.ts	Method	TBLASTX:Soybean
Start	18308	End	18673

GI	none	Score	138
Exons	18308..18532, 18319..18531, 18539..18673		

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63395	Strand	-
Start	22764	End	24566
Name	OJ990709_04.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	18470	End	18873
GI	none	Score	62
Exons	18470..18526, 18478..18522, 18521..18715, 18521..18715, 18529..18717, 18540..18716, 18657..18725, 18714..18830, 18724..18873		

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63395	Strand	-
Start	22764	End	24566
Name	OJ990709_04.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	18524	End	18717
GI	none	Score	257
Exons	18524..18715, 18529..18717		

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63395	Strand	-
Start	22764	End	24566
Name	OJ990709_04.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	18742	End	19203
GI	none	Score	535
Exons	18742..19203, 18742..19023, 18891..19202		

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63395	Strand	-
Start	22764	End	24566
Name	OJ990709_04.9922.C6.o3.ts	Method	TBLASTX:Soybean
Start	18889	End	19346
GI	none	Score	212
Exons	18889..19170, 18927..19064, 19215..19346		

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63395	Strand	-
Start	22764	End	24566
Name	OJ990709_04.9922.C6.o3.tw	Method	TBLASTX:Wheat
Start	18891	End	19272
GI	none	Score	192
Exons	18891..19205, 18898..19209, 19171..19272		

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63395	Strand	-
Start	22764	End	24566
Name	OJ990709_04.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	19510	End	19920
GI	none	Score	144
Exons	19510..19647, 19512..19643, 19668..19835, 19669..19920		

Seq. No.	30670	Seq. ID	OJ990709 04.9922.C6
Gene No.	63395	Strand	-
Start	22764	End	24566
Name	OJ990709_04.9922.C6.o2.tw	Method	TBLASTX:Wheat

Start	19555	End	19971
GI	none	Score	84
Exons	19555..19644, 19684..19971		

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63395	Strand	-
Start	22764	End	24566
Name	OJ990709_04.9922.C6.o3.tm	Method	TBLASTX:Maize
Start	20370	End	20750
GI	none	Score	88
Exons	20370..20528, 20526..20750		

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63395	Strand	-
Start	22764	End	24566
Name	OJ990709_04.9922.C6.o4.ts	Method	TBLASTX:Soybean
Start	20373	End	20681
GI	none	Score	200
Exons	20373..20681, 20478..20585		

Seq. No.	30670	Seq. ID	OJ990709_04.9922.C6
Gene No.	63395	Strand	-
Start	22764	End	24566
Name	OJ990709_04.9922.C6.o3.gs	Method	GENSCAN
Start	22764	End	24566
GI	none	Score	.66
Exons	22764..23211, 23304..23416, 23920..24265, 24409..24566		

Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63396	Strand	+
Start	668	End	8329
Name	OJ990709_04.9922.C7.o1.np	Method	AAT/NAP
Start	668	End	1465
GI	4512231	Score	1330
Exons	668..1465		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63396	Strand	+
Start	668	End	8329
Name	OJ990709_04.9922.C7.o2.np	Method	AAT/NAP
Start	1138	End	6040
GI	4680179	Score	5277
Exons	1138..1183, 1733..2743, 2771..6040		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63396	Strand	+
Start	668	End	8329
Name	OJ990709_04.9922.C7.o3.np	Method	AAT/NAP
Start	2841	End	8329
GI	6063554	Score	187
Exons	2841..2940, 6780..7018, 8156..8329		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63397	Strand	+
Start	9508	End	10289
Name	OJ990709_04.9922.C7.o3.gs	Method	GENSCAN
Start	9508	End	10287
GI	none	Score	.87
Exons	9508..10287		

Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63397	Strand	+
Start	9508	End	10289
Name	OJ990709_04.9922.C7.o4.np	Method	AAT/NAP
Start	9508	End	10289
GI	4512231	Score	1225
Exons	9508..10289		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63398	Strand	+
Start	10560	End	11476
Name	OJ990709_04.9922.C7.o5.np	Method	AAT/NAP
Start	10515	End	11476
GI	4680179	Score	750
Exons	10515..11476		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63398	Strand	+
Start	10560	End	11476
Name	OJ990709_04.9922.C7.o4.gs	Method	GENSCAN
Start	10560	End	11430
GI	none	Score	.93
Exons	10560..11430		

Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63399	Strand	-
Start	6308	End	11324
Name	OJ990709_04.9922.C7.o9.tw	Method	TBLASTX:Wheat
Start	1894	End	10922
GI	none	Score	204
Exons	1894..2091, 1895..2092, 10724..10921, 10740..10922		

Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63399	Strand	-
Start	6308	End	11324
Name	OJ990709_04.9922.C7.o6.tm	Method	TBLASTX:Maize
Start	2144	End	11312
GI	none	Score	255
Exons	2144..2482, 2144..2380, 10974..11312		

Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63399	Strand	-
Start	6308	End	11324
Name	OJ990709_04.9922.C7.o6.tw	Method	TBLASTX:Wheat
Start	2144	End	11324
GI	none	Score	311
Exons	2144..2494, 10971..11168, 10974..11324		

Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63399	Strand	-
Start	6308	End	11324
Name	OJ990709_04.9922.C7.o8.tw	Method	TBLASTX:Wheat
Start	2828	End	3181
GI	none	Score	250
Exons	2828..3181		

Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63399	Strand	-
Start	6308	End	11324
Name	OJ990709_04.9922.C7.o4.tw	Method	TBLASTX:Wheat
Start	3314	End	3773
GI	none	Score	193
Exons	3314..3511, 3373..3507, 3499..3690, 3503..3730, 3504..3773, 3504..3770		

Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63399	Strand	-
Start	6308	End	11324
Name	OJ990709_04.9922.C7.o5.tm	Method	TBLASTX:Maize
Start	3332	End	3590
GI	none	Score	194
Exons	3332..3511, 3373..3507, 3504..3590		

Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63399	Strand	-
Start	6308	End	11324
Name	OJ990709_04.9922.C7.o4.tm	Method	TBLASTX:Maize
Start	3660	End	4160
GI	none	Score	116
Exons	3660..3797, 3870..4160, 3911..4039		

Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63399	Strand	-
Start	6308	End	11324
Name	OJ990709_04.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	3714	End	4109
GI	none	Score	57
Exons	3714..3746, 3714..3746, 3727..3747, 3750..3803, 3752..3793, 3767..3913, 3858..4109, 3866..4099, 3957..4106		

Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63399	Strand	-
Start	6308	End	11324
Name	OJ990709_04.9922.C7.o5.tw	Method	TBLASTX:Wheat
Start	3861	End	4124
GI	none	Score	361
Exons	3861..4124, 3866..4123		

Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63399	Strand	-
Start	6308	End	11324
Name	OJ990709_04.9922.C7.o2.tw	Method	TBLASTX:Wheat
Start	4125	End	4550
GI	none	Score	595

Exons	4125..4550, 4127..4543, 4200..4550		
Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63399	Strand	-
Start	6308	End	11324
Name	OJ990709_04.9922.C7.o3.ts	Method	TBLASTX:Soybean
Start	4131	End	4379
GI	none	Score	207
Exons	4131..4379		
Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63399	Strand	-
Start	6308	End	11324
Name	OJ990709_04.9922.C7.o2.tm	Method	TBLASTX:Maize
Start	4197	End	4550
GI	none	Score	460
Exons	4197..4550, 4202..4543		
Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63399	Strand	-
Start	6308	End	11324
Name	OJ990709_04.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	4578	End	5117
GI	none	Score	605
Exons	4578..5117, 4760..5113, 4851..5117		
Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63399	Strand	-
Start	6308	End	11324
Name	OJ990709_04.9922.C7.o1.tc	Method	TBLASTX:Cress
Start	4815	End	5141
GI	none	Score	90
Exons	4815..4997, 4998..5141, 5000..5140		
Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63399	Strand	-
Start	6308	End	11324
Name	OJ990709_04.9922.C7.o2.ts	Method	TBLASTX:Soybean
Start	4905	End	5166
GI	none	Score	294
Exons	4905..5165, 4916..5164, 4917..5165, 4969..5166		
Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63399	Strand	-
Start	6308	End	11324
Name	OJ990709_04.9922.C7.o3.tm	Method	TBLASTX:Maize
Start	4964	End	5255
GI	none	Score	404
Exons	4964..5251, 4965..5255, 5097..5252		
Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63399	Strand	-
Start	6308	End	11324
Name	OJ990709_04.9922.C7.o3.tw	Method	TBLASTX:Wheat
Start	5124	End	5662
GI	none	Score	454
Exons	5124..5510, 5127..5474, 5180..5503, 5510..5662		

Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63399	Strand	-
Start	6308	End	11324
Name	OJ990709_04.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	5303	End	5800
GI	none	Score	229
Exons	5303..5458, 5304..5465, 5462..5506, 5463..5510, 5510..5800, 5531..5776, 5602..5799		

Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63399	Strand	-
Start	6308	End	11324
Name	OJ990709_04.9922.C7.o7.tw	Method	TBLASTX:Wheat
Start	5662	End	5995
GI	none	Score	304
Exons	5662..5943, 5663..5995		

Seq. No.	30671	Seq. ID	OJ990709_04.9922.C7
Gene No.	63399	Strand	-
Start	6308	End	11324
Name	OJ990709_04.9922.C7.o2.gs	Method	GENSCAN
Start	6308	End	8708
GI	none	Score	.91
Exons	6308..6414, 6452..7278, 8698..8708		

Seq. No.	30672	Seq. ID	OJ990709_04.9922.C8
Gene No.	63400	Strand	+
Start	332	End	1002
Name	OJ990709_04.9922.C8.o1.np	Method	AAT/NAP
Start	332	End	1002
GI	6815109	Score	142
Exons	332..564, 715..1002		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	30672	Seq. ID	OJ990709_04.9922.C8
Gene No.	63401	Strand	-
Start	308	End	590
Name	OJ990709_04.9922.C8.o1.gs	Method	GENSCAN
Start	308	End	590
GI	none	Score	.89
Exons	308..399, 493..590		

Seq. No.	30673	Seq. ID	OJ990709_04.9922.C9
Gene No.	63402	Strand	+
Start	1	End	815
Name	OJ990709_04.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	815
GI	4680179	Score	1242
Exons	1..815		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	30673	Seq. ID	OJ990709_04.9922.C9
Gene No.	63402	Strand	+
Start	1	End	815
Name	OJ990709_04.9922.C9.o2.tm	Method	TBLASTX:Maize
Start	3	End	158

GI	none	Score	184
Exons	3..158, 4..156		
Seq. No.	30673	Seq. ID	OJ990709_04.9922.C9
Gene No.	63402	Strand	+
Start	1	End	815
Name	OJ990709_04.9922.C9.o1.gs	Method	GENSCAN
Start	64	End	771
GI	none	Score	.43
Exons	64..771		
Seq. No.	30673	Seq. ID	OJ990709_04.9922.C9
Gene No.	63402	Strand	+
Start	1	End	815
Name	OJ990709_04.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	93	End	576
GI	none	Score	539
Exons	93..533, 94..576, 238..573		
Seq. No.	30673	Seq. ID	OJ990709_04.9922.C9
Gene No.	63402	Strand	+
Start	1	End	815
Name	OJ990709_04.9922.C9.o2.ts	Method	TBLASTX:Soybean
Start	130	End	444
GI	none	Score	200
Exons	130..444		
Seq. No.	30673	Seq. ID	OJ990709_04.9922.C9
Gene No.	63402	Strand	+
Start	1	End	815
Name	OJ990709_04.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	159	End	606
GI	none	Score	377
Exons	159..401, 163..606		
Seq. No.	30673	Seq. ID	OJ990709_04.9922.C9
Gene No.	63402	Strand	+
Start	1	End	815
Name	OJ990709_04.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	516	End	815
GI	none	Score	39
Exons	516..548, 517..549, 517..549, 553..606, 555..596, 570..716, 661..813, 669..815		
Seq. No.	30673	Seq. ID	OJ990709_04.9922.C9
Gene No.	63402	Strand	+
Start	1	End	815
Name	OJ990709_04.9922.C9.o2.tw	Method	TBLASTX:Wheat
Start	625	End	815
GI	none	Score	53
Exons	625..810, 644..718, 664..813, 666..815		
Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63403	Strand	+
Start	1	End	283
Name	OJ990709_04.9922.C10.o1.gp	Method	AAT/GAP
Start	1	End	283

GI	LIB3431-028-P1-N1-A10	Score	566
Exons	1..283		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63404	Strand	+
Start	12759	End	15850
Name	OJ990709_04.9922.C10.o2.np	Method	AAT/NAP
Start	12759	End	15850
GI	6630685	Score	4365
Exons	12759..12830, 13120..15850		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63405	Strand	-
Start	1	End	4558
Name	OJ990709_04.9922.C10.o1.np	Method	AAT/NAP
Start	1	End	4558
GI	4680203	Score	3153
Exons	1..900, 1177..1407, 1561..3235, 4534..4558		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63405	Strand	-
Start	1	End	4558
Name	OJ990709_04.9922.C10.o3.gp	Method	AAT/GAP
Start	1	End	3229
GI	342_1.R1084	Score	5498
Exons	1..3229		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63405	Strand	-
Start	1	End	4558
Name	OJ990709_04.9922.C10.o1.gs	Method	GENSCAN
Start	31	End	3233
GI	none	Score	.76
Exons	31..1125, 1318..1496, 1737..1913, 2003..3233		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63405	Strand	-
Start	1	End	4558
Name	OJ990709_04.9922.C10.o4.gp	Method	AAT/GAP
Start	3094	End	3682
GI	2310235	Score	297
Exons	3094..3233, 3645..3682		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63406	Strand	-
Start	6529	End	6888
Name	OJ990709_04.9922.C10.o2.gs	Method	GENSCAN
Start	6529	End	6888

GI	none	Score	.63
Exons	6529..6888		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63407	Strand	-
Start	11273	End	11339
Name	OJ990709_04.9922.C10.o5.gp	Method	AAT/GAP
Start	11273	End	11339
GI	uC-osroM202024h08a1	Score	90
Exons	11273..11339		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63408	Strand	-
Start	11480	End	11998
Name	OJ990709_04.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	1	End	1294
GI	none	Score	131
Exons	1..69, 58..138, 151..291, 152..292, 239..334, 271..330, 337..381, 337..381, 376..1293, 392..1294		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63408	Strand	-
Start	11480	End	11998
Name	OJ990709_04.9922.C10.o1.tc	Method	TBLASTX:Cress
Start	559	End	1010
GI	none	Score	188
Exons	559..996, 559..1002, 563..1006, 569..1006, 828..1010		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63408	Strand	-
Start	11480	End	11998
Name	OJ990709_04.9922.C10.o6.tm	Method	TBLASTX:Maize
Start	937	End	1251
GI	none	Score	68
Exons	937..1167, 937..1251, 965..1240		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63408	Strand	-
Start	11480	End	11998
Name	OJ990709_04.9922.C10.o5.tw	Method	TBLASTX:Wheat
Start	1295	End	1707
GI	none	Score	81
Exons	1295..1381, 1297..1386, 1297..1380, 1413..1616, 1414..1632, 1454..1624, 1642..1707, 1655..1705		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63408	Strand	-
Start	11480	End	11998
Name	OJ990709_04.9922.C10.o3.tw	Method	TBLASTX:Wheat
Start	1844	End	2312
GI	none	Score	35
Exons	1844..1891, 1844..1879, 1849..1896, 1904..1975, 1905..1946, 1949..2050, 1950..2072, 1951..2049, 2052..2150, 2125..2145, 2154..2258, 2158..2247, 2259..2312, 2260..2304		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63408	Strand	-
Start	11480	End	11998
Name	OJ990709_04.9922.C10.o7.tm	Method	TBLASTX:Maize
Start	2055	End	2441
GI	none	Score	117
Exons	2055..2312, 2055..2336, 2125..2313, 2352..2441		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63408	Strand	-
Start	11480	End	11998
Name	OJ990709_04.9922.C10.o2.tc	Method	TBLASTX:Cress
Start	2100	End	2448
GI	none	Score	81
Exons	2100..2441, 2125..2256, 2296..2448		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63408	Strand	-
Start	11480	End	11998
Name	OJ990709_04.9922.C10.o3.ts	Method	TBLASTX:Soybean
Start	2181	End	2610
GI	none	Score	121
Exons	2181..2477, 2199..2423, 2472..2534, 2527..2610, 2535..2609		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63408	Strand	-
Start	11480	End	11998
Name	OJ990709_04.9922.C10.o6.tw	Method	TBLASTX:Wheat
Start	2526	End	2882
GI	none	Score	158
Exons	2526..2783, 2531..2782, 2541..2792, 2542..2784, 2775..2882		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63408	Strand	-
Start	11480	End	11998
Name	OJ990709_04.9922.C10.o7.tw	Method	TBLASTX:Wheat
Start	7844	End	8272
GI	none	Score	253
Exons	7844..8272, 7886..7972		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63408	Strand	-
Start	11480	End	11998
Name	OJ990709_04.9922.C10.o5.ts	Method	TBLASTX:Soybean
Start	7889	End	10025
GI	none	Score	65
Exons	7889..7981, 7985..8320, 9893..9934, 9945..10025		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63408	Strand	-
Start	11480	End	11998
Name	OJ990709_04.9922.C10.o8.tm	Method	TBLASTX:Maize
Start	8030	End	8431
GI	none	Score	210
Exons	8030..8431, 8084..8281		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10

Gene No.	63408	Strand	-
Start	11480	End	11998
Name	OJ990709_04.9922.C10.o6.gp	Method	AAT/GAP
Start	11480	End	11998
GI	uC-osf1M202048c12b1	Score	801
Exons	11480..11998		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63409	Strand	
Start	12932	End	14119
Name	OJ990709_04.9922.C10.o4.tm	Method	TBLASTX:Maize
Start	12932	End	13327
GI	none	Score	140
Exons	12932..13060, 12940..13047, 13051..13326, 13055..13327		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63409	Strand	
Start	12932	End	14119
Name	OJ990709_04.9922.C10.o2.tw	Method	TBLASTX:Wheat
Start	13091	End	13663
GI	none	Score	260
Exons	13091..13339, 13099..13323, 13263..13367, 13350..13394, 13352..13375, 13375..13662, 13379..13663		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63409	Strand	
Start	12932	End	14119
Name	OJ990709_04.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	13328	End	14119
GI	none	Score	111
Exons	13328..13399, 13333..14073, 13400..14119, 14077..14118		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63409	Strand	
Start	12932	End	14119
Name	OJ990709_04.9922.C10.o4.ts	Method	TBLASTX:Soybean
Start	13508	End	13969
GI	none	Score	292
Exons	13508..13969, 13528..13698, 13532..13717		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63409	Strand	
Start	12932	End	14119
Name	OJ990709_04.9922.C10.o3.tc	Method	TBLASTX:Cress
Start	13544	End	13966
GI	none	Score	203
Exons	13544..13966		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63409	Strand	
Start	12932	End	14119
Name	OJ990709_04.9922.C10.o8.tw	Method	TBLASTX:Wheat
Start	13751	End	14095
GI	none	Score	123
Exons	13751..13840, 13763..13837, 13829..13993, 13840..13989,		

14015..14095

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63410	Strand	
Start	14186	End	15061
Name	OJ990709_04.9922.C10.o5.tm	Method	TBLASTX:Maize
Start	14186	End	14512
GI	none	Score	431
Exons	14186..14512, 14187..14510, 14374..14511		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63410	Strand	
Start	14186	End	15061
Name	OJ990709_04.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	14220	End	14815
GI	5509260	Score	196
Exons	14220..14435, 14445..14798, 14447..14815		
GI Descrip.	-		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63410	Strand	
Start	14186	End	15061
Name	OJ990709_04.9922.C10.o4.tw	Method	TBLASTX:Wheat
Start	14346	End	14801
GI	none	Score	67
Exons	14346..14435, 14408..14467, 14429..14464, 14456..14611, 14464..14670, 14466..14801, 14468..14800, 14469..14801		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63410	Strand	
Start	14186	End	15061
Name	OJ990709_04.9922.C10.o4.tc	Method	TBLASTX:Cress
Start	14430	End	14708
GI	none	Score	188
Exons	14430..14708		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63410	Strand	
Start	14186	End	15061
Name	OJ990709_04.9922.C10.o3.tm	Method	TBLASTX:Maize
Start	14630	End	15061
GI	none	Score	236
Exons	14630..14815, 14631..14798, 14632..14805, 14794..15060, 14798..15061		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63411	Strand	
Start	14993	End	15879
Name	OJ990709_04.9922.C10.o9.tw	Method	TBLASTX:Wheat
Start	14993	End	15409
GI	none	Score	83
Exons	14993..15145, 15173..15409		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63411	Strand	
Start	14993	End	15879
Name	OJ990709_04.9922.C10.o1.tm	Method	TBLASTX:Maize

Start	15176	End	15879
GI	none	Score	934
Exons	15176..15871, 15184..15867, 15667..15879, 15768..15869		

Seq. No.	30674	Seq. ID	OJ990709_04.9922.C10
Gene No.	63411	Strand	
Start	14993	End	15879
Name	OJ990709_04.9922.C10.o2.ts	Method	TBLASTX:Soybean
Start	15194	End	15835
GI	none	Score	292
Exons	15194..15583, 15418..15582, 15611..15835, 15640..15687		

Seq. No.	30675	Seq. ID	OJ990709_04.9922.C11
Gene No.	63412	Strand	-
Start	969	End	1567
Name	OJ990709_04.9922.C11.o1.gs	Method	GENSCAN
Start	969	End	1567
GI	none	Score	.68
Exons	969..998, 1246..1381, 1506..1567		

Seq. No.	30676	Seq. ID	OJ990709_04.9922.C12
Gene No.	63413	Strand	+
Start	1018	End	1829
Name	OJ990709_04.9922.C12.o1.gs	Method	GENSCAN
Start	1018	End	1829
GI	none	Score	.47
Exons	1018..1084, 1437..1592, 1656..1829		

Seq. No.	30677	Seq. ID	OJ990709_04.9922.C13
Gene No.	63414	Strand	+
Start	378	End	7786
Name	OJ990709_04.9922.C13.o1.gs	Method	GENSCAN
Start	378	End	7786
GI	none	Score	.53
Exons	378..545, 639..947, 1065..1289, 1409..1466, 2428..2559, 3010..3233, 4583..4696, 5090..5230, 7092..7398, 7458..7786		

Seq. No.	30677	Seq. ID	OJ990709_04.9922.C13
Gene No.	63414	Strand	+
Start	378	End	7786
Name	OJ990709_04.9922.C13.o1.np	Method	AAT/NAP
Start	4607	End	5011
GI	2462640	Score	531
Exons	4607..5011		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	30677	Seq. ID	OJ990709_04.9922.C13
Gene No.	63415	Strand	-
Start	8078	End	8410
Name	OJ990709_04.9922.C13.o1.tw	Method	TBLASTX:Wheat
Start	3533	End	3856
GI	none	Score	319
Exons	3533..3856, 3549..3710, 3568..3852		

Seq. No.	30677	Seq. ID	OJ990709_04.9922.C13
Gene No.	63415	Strand	-
Start	8078	End	8410

Name	OJ990709_04.9922.C13.o1.tm	Method	TBLASTX:Maize
Start	4643	End	5554
GI	none	Score	440
Exons	4643..5416, 4817..4921, 4981..5070, 5110..5145, 5447..5554		

Seq. No.	30677	Seq. ID	OJ990709_04.9922.C13
Gene No.	63415	Strand	-
Start	8078	End	8410
Name	OJ990709_04.9922.C13.o1.ts	Method	TBLASTX:Soybean
Start	5192	End	5756
GI	none	Score	57
Exons	5192..5248, 5294..5422, 5447..5542, 5619..5756		

Seq. No.	30677	Seq. ID	OJ990709_04.9922.C13
Gene No.	63415	Strand	-
Start	8078	End	8410
Name	OJ990709_04.9922.C13.o2.tm	Method	TBLASTX:Maize
Start	5591	End	5939
GI	none	Score	150
Exons	5591..5674, 5595..5759, 5754..5813, 5789..5812, 5823..5939, 5825..5932		

Seq. No.	30677	Seq. ID	OJ990709_04.9922.C13
Gene No.	63415	Strand	-
Start	8078	End	8410
Name	OJ990709_04.9922.C13.o2.tw	Method	TBLASTX:Wheat
Start	5600	End	5882
GI	none	Score	268
Exons	5600..5881, 5601..5882		

Seq. No.	30677	Seq. ID	OJ990709_04.9922.C13
Gene No.	63415	Strand	-
Start	8078	End	8410
Name	OJ990709_04.9922.C13.o3.tm	Method	TBLASTX:Maize
Start	6114	End	6483
GI	none	Score	67
Exons	6114..6176, 6174..6344, 6340..6483		

Seq. No.	30677	Seq. ID	OJ990709_04.9922.C13
Gene No.	63415	Strand	-
Start	8078	End	8410
Name	OJ990709_04.9922.C13.o2.gs	Method	GENSCAN
Start	8078	End	8410
GI	none	Score	.68
Exons	8078..8152, 8384..8410		

Seq. No.	30678	Seq. ID	OJ990709_04.9922.C14
Gene No.	63416	Strand	+
Start	4116	End	4232
Name	OJ990709_04.9922.C14.o1.gp	Method	AAT/GAP
Start	4116	End	4232
GI	uC-osflcyp088b12b1	Score	141
Exons	4116..4232		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	30678	Seq. ID	OJ990709_04.9922.C14

Gene No.	63417	Strand	-
Start	7131	End	9150
Name	OJ990709_04.9922.C14.o2.gs	Method	GENSCAN
Start	7131	End	9150
GI	none	Score	.52
Exons	7131..7169, 7806..7821, 8948..9150		

Seq. No.	30679	Seq. ID	OJ990709_06.9927.C1
Gene No.	63418	Strand	+
Start	1	End	655
Name	OJ990709_06.9927.C1.o1.np	Method	AAT/NAP
Start	1	End	655
GI	4325354	Score	160
Exons	1..21, 316..655		
GI Descrip.	(AF128395) contains similarity to retrovirus-related polyproteins and to CCHC zinc finger protein (Pfam: PF00098, Score=16.3, E=0.051, E= 1) [Arabidopsis thaliana]		

Seq. No.	30679	Seq. ID	OJ990709_06.9927.C1
Gene No.	63418	Strand	+
Start	1	End	655
Name	OJ990709_06.9927.C1.o1.tm	Method	TBLASTX:Maize
Start	297	End	537
GI	none	Score	99
Exons	297..518, 297..497, 298..537		

Seq. No.	30680	Seq. ID	OJ990709_06.9927.C3
Gene No.	63419	Strand	+
Start	42	End	147
Name	OJ990709_06.9927.C3.o1.gp	Method	AAT/GAP
Start	42	End	147
GI	none	Score	149
Exons	42..147		

Seq. No.	30680	Seq. ID	OJ990709_06.9927.C3
Gene No.	63420	Strand	+
Start	2273	End	4014
Name	OJ990709_06.9927.C3.o1.gs	Method	GENSCAN
Start	2273	End	4014
GI	none	Score	.56
Exons	2273..2474, 2630..2710, 2800..2963, 3147..3317, 3693..3757, 3791..4014		

Seq. No.	30680	Seq. ID	OJ990709_06.9927.C3
Gene No.	63421	Strand	-
Start	3174	End	3549
Name	OJ990709_06.9927.C3.o2.gp	Method	AAT/GAP
Start	3174	End	3549
GI	36372_1.R1084	Score	719
Exons	3174..3549		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	30681	Seq. ID	OJ990709_06.9927.C4

Gene No.	63422	Strand	+
Start	291	End	659
Name	OJ990709_06.9927.C4.o1.gs	Method	GENSCAN
Start	291	End	659
GI	none	Score	.65
Exons	291..476, 522..659		

Seq. No.	30681	Seq. ID	OJ990709_06.9927.C4
Gene No.	63423	Strand	-
Start	1	End	4496
Name	OJ990709_06.9927.C4.o1.np	Method	AAT/NAP
Start	1	End	4496
GI	5295955	Score	385
Exons	1..209, 347..615, 656..831, 1516..1629, 2164..2232, 4439..4496		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	30681	Seq. ID	OJ990709_06.9927.C4
Gene No.	63423	Strand	-
Start	1	End	4496
Name	OJ990709_06.9927.C4.o2.np	Method	AAT/NAP
Start	2336	End	2737
GI	1946279	Score	213
Exons	2336..2737		
GI Descrip.	(Y12433) polyprotein; reverse transcriptase, RNase H [pineapple bacilliform virus]		

Seq. No.	30681	Seq. ID	OJ990709_06.9927.C4
Gene No.	63423	Strand	-
Start	1	End	4496
Name	OJ990709_06.9927.C4.o2.gs	Method	GENSCAN
Start	2570	End	2928
GI	none	Score	.52
Exons	2570..2730, 2848..2928		

Seq. No.	30682	Seq. ID	OJ990709_06.9927.C5
Gene No.	63424	Strand	+
Start	1713	End	2835
Name	OJ990709_06.9927.C5.o1.gs	Method	GENSCAN
Start	1713	End	2835
GI	none	Score	.74
Exons	1713..1764, 2735..2835		

Seq. No.	30682	Seq. ID	OJ990709_06.9927.C5
Gene No.	63425	Strand	+
Start	3209	End	3510
Name	OJ990709_06.9927.C5.o1.gp	Method	AAT/GAP
Start	3209	End	3510
GI	2798467	Score	361
Exons	3209..3510		

Seq. No.	30682	Seq. ID	OJ990709_06.9927.C5
Gene No.	63426	Strand	-
Start	3565	End	3777
Name	OJ990709_06.9927.C5.o2.gs	Method	GENSCAN
Start	3565	End	3777
GI	none	Score	.99

Exons	3565..3777		
Seq. No.	30683	Seq. ID	OJ990709_06.9927.C6
Gene No.	63427	Strand	-
Start	380	End	2145
Name	OJ990709_06.9927.C6.o1.gs	Method	GENSCAN
Start	380	End	2130
GI	none	Score	.77
Exons	380..475, 552..1032, 1994..2130		
Seq. No.	30683	Seq. ID	OJ990709_06.9927.C6
Gene No.	63427	Strand	-
Start	380	End	2145
Name	OJ990709_06.9927.C6.o1.np	Method	AAT/NAP
Start	691	End	2145
GI	3319345	Score	680
Exons	691..2145		
GI Descrip.	(AF077407) contains similarity to maize transposon MuDR (GB:M76978) [Arabidopsis thaliana]		
Seq. No.	30683	Seq. ID	OJ990709_06.9927.C6
Gene No.	63427	Strand	-
Start	380	End	2145
Name	OJ990709_06.9927.C6.o1.tm	Method	TBLASTX:Maize
Start	870	End	1565
GI	none	Score	47
Exons	870..977, 969..1073, 1152..1490, 1506..1565		
Seq. No.	30683	Seq. ID	OJ990709_06.9927.C6
Gene No.	63427	Strand	-
Start	380	End	2145
Name	OJ990709_06.9927.C6.o1.ts	Method	TBLASTX:Soybean
Start	1173	End	1559
GI	none	Score	211
Exons	1173..1559		
Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63428	Strand	+
Start	4814	End	8023
Name	OJ990709_06.9927.C7.o2.gs	Method	GENSCAN
Start	4814	End	8023
GI	none	Score	.61
Exons	4814..5054, 5806..6033, 6557..6952, 7082..7291, 7872..8023		
Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63428	Strand	+
Start	4814	End	8023
Name	OJ990709_06.9927.C7.o1.np	Method	AAT/NAP
Start	6662	End	7741
GI	6539555	Score	1032
Exons	6662..7340, 7430..7741		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		
Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63429	Strand	+

Start	23797	End	24213
Name	OJ990709_06.9927.C7.o5.gp	Method	AAT/GAP
Start	23797	End	24213
GI	5816562	Score	662
Exons	23797..24213		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63430	Strand	+
Start	24263	End	30304
Name	OJ990709_06.9927.C7.o3.np	Method	AAT/NAP
Start	24263	End	30304
GI	5922631	Score	6556
Exons	24263..24387, 24646..24863, 25121..25305, 25351..25922, 25965..26116, 26243..27169, 27776..30304		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63430	Strand	+
Start	24263	End	30304
Name	OJ990709_06.9927.C7.o5.gs	Method	GENSCAN
Start	24263	End	26991
GI	none	Score	.75
Exons	24263..24883, 25090..25659, 25762..26991		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63431	Strand	-
Start	25	End	3398
Name	OJ990709_06.9927.C7.o1.gs	Method	GENSCAN
Start	25	End	3398
GI	none	Score	.73
Exons	25..890, 2672..2854, 3385..3398		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63431	Strand	-
Start	25	End	3398
Name	OJ990709_06.9927.C7.o1.gp	Method	AAT/GAP
Start	1291	End	1510
GI	2798467	Score	388
Exons	1291..1510		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63431	Strand	-
Start	25	End	3398
Name	OJ990709_06.9927.C7.o2.gp	Method	AAT/GAP
Start	3034	End	3093
GI	4715947	Score	65
Exons	3034..3093		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis		

thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63432	Strand	-
Start	8671	End	12238
Name	OJ990709_06.9927.C7.o3.gs	Method	GENSCAN
Start	8671	End	12238
GI	none	Score	.65
Exons	8671..8971, 10517..11341, 12081..12238		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63432	Strand	-
Start	8671	End	12238
Name	OJ990709_06.9927.C7.o2.np	Method	AAT/NAP
Start	10565	End	10953
GI	284279	Score	126
Exons	10565..10953		
GI Descrip.	keratin 10 V2 subdomain 128 amino acid variant - human (fragment) gi|244508|bbs|79431 keratin 10 V2 subdomain 128 amino acid variant [human, Peptide Partial, 128 aa]		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63433	Strand	-
Start	13033	End	22236
Name	OJ990709_06.9927.C7.o4.gs	Method	GENSCAN
Start	13033	End	22236
GI	none	Score	.57
Exons	13033..13945, 15516..15885, 16015..16148, 16284..16489, 16600..16718, 16827..17092, 20975..21233, 21419..21441, 21471..21554, 22060..22141, 22197..22236		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63433	Strand	-
Start	13033	End	22236
Name	OJ990709_06.9927.C7.o3.gp	Method	AAT/GAP
Start	13832	End	15894
GI	none	Score	942
Exons	13832..13945, 15516..15894		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63434	Strand	-
Start	30670	End	33615
Name	OJ990709_06.9927.C7.o8.tw	Method	TBLASTX:Wheat
Start	7517	End	7798
GI	none	Score	239
Exons	7517..7798, 7531..7737		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63434	Strand	-
Start	30670	End	33615
Name	OJ990709_06.9927.C7.o7.tw	Method	TBLASTX:Wheat
Start	25527	End	25929
GI	none	Score	282
Exons	25527..25796, 25528..25929		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63434	Strand	-
Start	30670	End	33615
Name	OJ990709_06.9927.C7.o6.tw	Method	TBLASTX:Wheat
Start	26509	End	26966
GI	none	Score	144
Exons	26509..26685, 26730..26966, 26734..26964		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63434	Strand	-
Start	30670	End	33615
Name	OJ990709_06.9927.C7.o6.tm	Method	TBLASTX:Maize
Start	26817	End	26964
GI	none	Score	185
Exons	26817..26963, 26818..26964, 26818..26964		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63434	Strand	-
Start	30670	End	33615
Name	OJ990709_06.9927.C7.o1.tw	Method	TBLASTX:Wheat
Start	27186	End	27642
GI	none	Score	494
Exons	27186..27641, 27187..27642		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63434	Strand	-
Start	30670	End	33615
Name	OJ990709_06.9927.C7.o3.ts	Method	TBLASTX:Soybean
Start	27226	End	27591
GI	none	Score	133
Exons	27226..27450, 27457..27591		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63434	Strand	-
Start	30670	End	33615
Name	OJ990709_06.9927.C7.o2.tm	Method	TBLASTX:Maize
Start	27315	End	27672
GI	none	Score	373
Exons	27315..27662, 27316..27672		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63434	Strand	-
Start	30670	End	33615
Name	OJ990709_06.9927.C7.o3.tm	Method	TBLASTX:Maize
Start	27700	End	28083
GI	none	Score	305
Exons	27700..28083, 27804..28082		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63434	Strand	-
Start	30670	End	33615
Name	OJ990709_06.9927.C7.o4.tw	Method	TBLASTX:Wheat
Start	27757	End	28181
GI	none	Score	402
Exons	27757..28176, 27801..28181		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7

Gene No.	63434	Strand	-
Start	30670	End	33615
Name	OJ990709_06.9927.C7.o1.ts	Method	TBLASTX:Soybean
Start	27844	End	28211
GI	none	Score	299
Exons	27844..28203, 27852..27995, 28032..28211		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63434	Strand	-
Start	30670	End	33615
Name	OJ990709_06.9927.C7.o10.tw	Method	TBLASTX:Wheat
Start	28276	End	28470
GI	none	Score	201
Exons	28276..28470		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63434	Strand	-
Start	30670	End	33615
Name	OJ990709_06.9927.C7.o2.ts	Method	TBLASTX:Soybean
Start	28462	End	28850
GI	none	Score	84
Exons	28462..28566, 28470..28556, 28602..28850, 28606..28848		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63434	Strand	-
Start	30670	End	33615
Name	OJ990709_06.9927.C7.o3.tw	Method	TBLASTX:Wheat
Start	28471	End	28893
GI	none	Score	402
Exons	28471..28893, 28476..28817		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63434	Strand	-
Start	30670	End	33615
Name	OJ990709_06.9927.C7.o5.tm	Method	TBLASTX:Maize
Start	28525	End	28797
GI	none	Score	128
Exons	28525..28695, 28699..28797		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63434	Strand	-
Start	30670	End	33615
Name	OJ990709_06.9927.C7.o11.tw	Method	TBLASTX:Wheat
Start	28909	End	29208
GI	none	Score	131
Exons	28909..29043, 29110..29208		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63434	Strand	-
Start	30670	End	33615
Name	OJ990709_06.9927.C7.o1.tm	Method	TBLASTX:Maize
Start	29205	End	29529
GI	none	Score	427
Exons	29205..29528, 29206..29529		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63434	Strand	-

Start	30670	End	33615
Name	OJ990709_06.9927.C7.o2.tw	Method	TBLASTX:Wheat
Start	29211	End	29598
GI	none	Score	410
Exons	29211..29522, 29212..29598, 29407..29598		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63434	Strand	-
Start	30670	End	33615
Name	OJ990709_06.9927.C7.o5.tw	Method	TBLASTX:Wheat
Start	29726	End	30328
GI	none	Score	327
Exons	29726..30205, 29749..29823, 29875..30003, 30197..30328		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63434	Strand	-
Start	30670	End	33615
Name	OJ990709_06.9927.C7.o4.tm	Method	TBLASTX:Maize
Start	30026	End	30289
GI	none	Score	167
Exons	30026..30208, 30148..30207, 30187..30288, 30188..30289		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63434	Strand	-
Start	30670	End	33615
Name	OJ990709_06.9927.C7.o7.gs	Method	GENSCAN
Start	30670	End	33615
GI	none	Score	.85
Exons	30670..31121, 31195..31311, 31371..31560, 31635..31834, 31901..32211, 32335..32627, 32714..33040, 33409..33615		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63434	Strand	-
Start	30670	End	33615
Name	OJ990709_06.9927.C7.o4.np	Method	AAT/NAP
Start	30673	End	33576
GI	6691716	Score	2369
Exons	30673..31121, 31195..31309, 31459..31560, 31635..31822, 31901..32080, 32159..32258, 32334..32512, 32704..33576		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	30684	Seq. ID	OJ990709_06.9927.C7
Gene No.	63434	Strand	-
Start	30670	End	33615
Name	OJ990709_06.9927.C7.o9.tw	Method	TBLASTX:Wheat
Start	33166	End	33456
GI	none	Score	219
Exons	33166..33456		

Seq. No.	30685	Seq. ID	OJ990709_06.9927.C8
Gene No.	63435	Strand	+
Start	1	End	1171
Name	OJ990709_06.9927.C8.o1.np	Method	AAT/NAP
Start	1	End	1171
GI	6907087	Score	557

Exons	1..518, 1070..1171		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	30685	Seq. ID	OJ990709_06.9927.C8
Gene No.	63436	Strand	-
Start	65	End	787
Name	OJ990709_06.9927.C8.o1.gs	Method	GENSCAN
Start	65	End	787
GI	none	Score	.98
Exons	65..787		
Seq. No.	30685	Seq. ID	OJ990709_06.9927.C8
Gene No.	63437	Strand	-
Start	1064	End	1170
Name	OJ990709_06.9927.C8.o2.gs	Method	GENSCAN
Start	1064	End	1170
GI	none	Score	.85
Exons	1064..1170		
Seq. No.	30686	Seq. ID	OJ990709_06.9927.C9
Gene No.	63438	Strand	+
Start	528	End	5016
Name	OJ990709_06.9927.C9.o1.gs	Method	GENSCAN
Start	528	End	5016
GI	none	Score	.58
Exons	528..1839, 1936..3077, 3197..5016		
Seq. No.	30686	Seq. ID	OJ990709_06.9927.C9
Gene No.	63438	Strand	+
Start	528	End	5016
Name	OJ990709_06.9927.C9.o1.np	Method	AAT/NAP
Start	554	End	4980
GI	5922631	Score	5295
Exons	554..604, 647..797, 924..1847, 2454..4980		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		
Seq. No.	30686	Seq. ID	OJ990709_06.9927.C9
Gene No.	63439	Strand	+
Start	13438	End	13830
Name	OJ990709_06.9927.C9.o3.gs	Method	GENSCAN
Start	13438	End	13830
GI	none	Score	.94
Exons	13438..13465, 13718..13830		
Seq. No.	30686	Seq. ID	OJ990709_06.9927.C9
Gene No.	63440	Strand	-
Start	5332	End	10964
Name	OJ990709_06.9927.C9.o2.gs	Method	GENSCAN
Start	5332	End	10964

GI	none	Score	.52
Exons	5332..5780, 5853..5957, 6029..6218, 6539..7153, 7372..8295, 9632..9722, 10627..10964		

Seq. No.	30686	Seq. ID	OJ990709_06.9927.C9
Gene No.	63440	Strand	-
Start	5332	End	10964
Name	OJ990709_06.9927.C9.o2.np	Method	AAT/NAP
Start	5335	End	8256
GI	6691716	Score	2342
Exons	5335..5780, 5853..5957, 6107..6218, 6294..6468, 6609..6914, 6996..7170, 7368..8256		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	30686	Seq. ID	OJ990709_06.9927.C9
Gene No.	63441	Strand	-
Start	14486	End	14916
Name	OJ990709_06.9927.C9.o6.tw	Method	TBLASTX:Wheat
Start	1187	End	3694
GI	none	Score	149
Exons	1187..1363, 1408..1644, 1412..1642, 3536..3586, 3566..3694		

Seq. No.	30686	Seq. ID	OJ990709_06.9927.C9
Gene No.	63441	Strand	-
Start	14486	End	14916
Name	OJ990709_06.9927.C9.o1.tw	Method	TBLASTX:Wheat
Start	1864	End	2320
GI	none	Score	480
Exons	1864..2319, 1865..2320		

Seq. No.	30686	Seq. ID	OJ990709_06.9927.C9
Gene No.	63441	Strand	-
Start	14486	End	14916
Name	OJ990709_06.9927.C9.o2.ts	Method	TBLASTX:Soybean
Start	1904	End	2269
GI	none	Score	140
Exons	1904..2128, 2135..2269		

Seq. No.	30686	Seq. ID	OJ990709_06.9927.C9
Gene No.	63441	Strand	-
Start	14486	End	14916
Name	OJ990709_06.9927.C9.o2.tm	Method	TBLASTX:Maize
Start	1994	End	2350
GI	none	Score	375
Exons	1994..2350, 2035..2340		

Seq. No.	30686	Seq. ID	OJ990709_06.9927.C9
Gene No.	63441	Strand	-
Start	14486	End	14916
Name	OJ990709_06.9927.C9.o2.tw	Method	TBLASTX:Wheat
Start	2435	End	2859
GI	none	Score	448
Exons	2435..2854, 2479..2859, 2500..2859		

Seq. No.	30686	Seq. ID	OJ990709_06.9927.C9

Gene No.	63441	Strand	-
Start	14486	End	14916
Name	OJ990709_06.9927.C9.o1.ts	Method	TBLASTX:Soybean
Start	2513	End	2914
GI	none	Score	314
Exons	2513..2914, 2530..2673, 2710..2880		

Seq. No.	30686	Seq. ID	OJ990709_06.9927.C9
Gene No.	63441	Strand	-
Start	14486	End	14916
Name	OJ990709_06.9927.C9.o3.tm	Method	TBLASTX:Maize
Start	2581	End	3025
GI	none	Score	275
Exons	2581..2835, 2582..2836, 2606..2836, 2857..2988, 2858..3001, 2999..3025		

Seq. No.	30686	Seq. ID	OJ990709_06.9927.C9
Gene No.	63441	Strand	-
Start	14486	End	14916
Name	OJ990709_06.9927.C9.o5.tw	Method	TBLASTX:Wheat
Start	3022	End	3429
GI	none	Score	192
Exons	3022..3192, 3023..3196, 3193..3252, 3195..3266, 3282..3428, 3283..3429		

Seq. No.	30686	Seq. ID	OJ990709_06.9927.C9
Gene No.	63441	Strand	-
Start	14486	End	14916
Name	OJ990709_06.9927.C9.o3.ts	Method	TBLASTX:Soybean
Start	3140	End	3527
GI	none	Score	53
Exons	3140..3199, 3198..3527, 3283..3525		

Seq. No.	30686	Seq. ID	OJ990709_06.9927.C9
Gene No.	63441	Strand	-
Start	14486	End	14916
Name	OJ990709_06.9927.C9.o5.tm	Method	TBLASTX:Maize
Start	3400	End	3654
GI	none	Score	193
Exons	3400..3654		

Seq. No.	30686	Seq. ID	OJ990709_06.9927.C9
Gene No.	63441	Strand	-
Start	14486	End	14916
Name	OJ990709_06.9927.C9.o1.tm	Method	TBLASTX:Maize
Start	3882	End	4245
GI	none	Score	442
Exons	3882..4193, 3883..4206, 3903..4217, 4197..4244, 4198..4245		

Seq. No.	30686	Seq. ID	OJ990709_06.9927.C9
Gene No.	63441	Strand	-
Start	14486	End	14916
Name	OJ990709_06.9927.C9.o3.tw	Method	TBLASTX:Wheat
Start	3888	End	4275
GI	none	Score	420
Exons	3888..4199, 3889..4275, 4084..4275		

Seq. No.	30686	Seq. ID	OJ990709_06.9927.C9
Gene No.	63441	Strand	-
Start	14486	End	14916
Name	OJ990709_06.9927.C9.o6.tm	Method	TBLASTX:Maize
Start	4347	End	4620
GI	none	Score	89
Exons	4347..4454, 4348..4446, 4437..4511, 4441..4524, 4534..4620		

Seq. No.	30686	Seq. ID	OJ990709_06.9927.C9
Gene No.	63441	Strand	-
Start	14486	End	14916
Name	OJ990709_06.9927.C9.o4.tw	Method	TBLASTX:Wheat
Start	4390	End	5004
GI	none	Score	276
Exons	4390..4668, 4410..4499, 4545..4652, 4723..4881, 4867..5004		

Seq. No.	30686	Seq. ID	OJ990709_06.9927.C9
Gene No.	63441	Strand	-
Start	14486	End	14916
Name	OJ990709_06.9927.C9.o4.tm	Method	TBLASTX:Maize
Start	4732	End	4967
GI	none	Score	152
Exons	4732..4884, 4863..4967, 4864..4965		

Seq. No.	30686	Seq. ID	OJ990709_06.9927.C9
Gene No.	63441	Strand	-
Start	14486	End	14916
Name	OJ990709_06.9927.C9.o7.tw	Method	TBLASTX:Wheat
Start	7846	End	8136
GI	none	Score	224
Exons	7846..8136		

Seq. No.	30686	Seq. ID	OJ990709_06.9927.C9
Gene No.	63441	Strand	-
Start	14486	End	14916
Name	OJ990709_06.9927.C9.o4.gs	Method	GENSCAN
Start	14486	End	14916
GI	none	Score	.76
Exons	14486..14590, 14839..14916		

Seq. No.	30687	Seq. ID	OJ990709_06.9927.C10
Gene No.	63442	Strand	+
Start	444	End	547
Name	OJ990709_06.9927.C10.o1.gs	Method	GENSCAN
Start	444	End	547
GI	none	Score	.94
Exons	444..547		

Seq. No.	30687	Seq. ID	OJ990709_06.9927.C10
Gene No.	63443	Strand	+
Start	12800	End	17884
Name	OJ990709_06.9927.C10.o4.gs	Method	GENSCAN
Start	12800	End	17884
GI	none	Score	.59
Exons	12800..12920, 12994..13111, 13925..13952, 14989..15212, 16184..16235, 17195..17340, 17416..17551, 17723..17884		

Seq. No.	30687	Seq. ID	OJ990709_06.9927.C10
Gene No.	63443	Strand	+
Start	12800	End	17884
Name	OJ990709_06.9927.C10.o3.np	Method	AAT/NAP
Start	12990	End	15213
GI	2623301	Score	565
Exons	12990..13111, 13626..13792, 14834..14911, 15032..15213		
GI Descrip.	(AC002409) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	30687	Seq. ID	OJ990709_06.9927.C10
Gene No.	63443	Strand	+
Start	12800	End	17884
Name	OJ990709_06.9927.C10.o1.gp	Method	AAT/GAP
Start	16258	End	16719
GI	none	Score	896
Exons	16258..16719		

Seq. No.	30687	Seq. ID	OJ990709_06.9927.C10
Gene No.	63443	Strand	+
Start	12800	End	17884
Name	OJ990709_06.9927.C10.o4.np	Method	AAT/NAP
Start	16693	End	17827
GI	2623300	Score	661
Exons	16693..17196, 17271..17322, 17401..17635, 17723..17827		
GI Descrip.	(AC002409) putative protein phosphatase 2C [Arabidopsis thaliana]		

Seq. No.	30687	Seq. ID	OJ990709_06.9927.C10
Gene No.	63444	Strand	-
Start	1445	End	10722
Name	OJ990709_06.9927.C10.o2.np	Method	AAT/NAP
Start	1445	End	10722
GI	5734709	Score	267
Exons	1445..1688, 10130..10722		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	30687	Seq. ID	OJ990709_06.9927.C10
Gene No.	63444	Strand	-
Start	1445	End	10722
Name	OJ990709_06.9927.C10.o3.gs	Method	GENSCAN
Start	9719	End	10666
GI	none	Score	.9
Exons	9719..10666		

Seq. No.	30687	Seq. ID	OJ990709_06.9927.C10
Gene No.	63444	Strand	-
Start	1445	End	10722
Name	OJ990709_06.9927.C10.o1.np	Method	AAT/NAP
Start	9740	End	10408
GI	1169199	Score	775
Exons	9740..10408		
GI Descrip.	DNA-DAMAGE-REPAIR/TOLERATION PROTEIN DRT102 gi|479739|pir||S35271 hypothetical protein - Arabidopsis thaliana gi|166928 (L11368) [Arabidopsis thaliana unidentified mRNA sequence, complete cds.], gene product [Arabidopsis thaliana] gi|5932546|gb|AAD57001.1|AC009465_15 (AC009465)		

DNA-damage-repair/toleration protein DRT102 [Arabidopsis thaliana]

Seq. No.	30687	Seq. ID	OJ990709_06.9927.C10
Gene No.	63445	Strand	-
Start	17718	End	17830
Name	OJ990709_06.9927.C10.o2.tm	Method	TBLASTX:Maize
Start	9728	End	9955
GI	none	Score	267
Exons	9728..9955, 9789..9953		

Seq. No.	30687	Seq. ID	OJ990709_06.9927.C10
Gene No.	63445	Strand	-
Start	17718	End	17830
Name	OJ990709_06.9927.C10.o1.tc	Method	TBLASTX:Cress
Start	9737	End	10648
GI	none	Score	213
Exons	9737..10099, 9743..10120, 9792..10115, 10151..10408, 10302..10409, 10568..10648		

Seq. No.	30687	Seq. ID	OJ990709_06.9927.C10
Gene No.	63445	Strand	-
Start	17718	End	17830
Name	OJ990709_06.9927.C10.o1.ts	Method	TBLASTX:Soybean
Start	9882	End	10645
GI	none	Score	231
Exons	9882..10124, 9884..10114, 10151..10408, 10161..10409, 10472..10549, 10571..10645		

Seq. No.	30687	Seq. ID	OJ990709_06.9927.C10
Gene No.	63445	Strand	-
Start	17718	End	17830
Name	OJ990709_06.9927.C10.o4.tm	Method	TBLASTX:Maize
Start	10011	End	10136
GI	none	Score	186
Exons	10011..10136, 10013..10126		

Seq. No.	30687	Seq. ID	OJ990709_06.9927.C10
Gene No.	63445	Strand	-
Start	17718	End	17830
Name	OJ990709_06.9927.C10.o3.tm	Method	TBLASTX:Maize
Start	12796	End	13753
GI	none	Score	73
Exons	12796..12921, 12800..12925, 12992..13120, 12993..13109, 13612..13749, 13622..13753, 13629..13748, 13630..13749		

Seq. No.	30687	Seq. ID	OJ990709_06.9927.C10
Gene No.	63445	Strand	-
Start	17718	End	17830
Name	OJ990709_06.9927.C10.o3.ts	Method	TBLASTX:Soybean
Start	12824	End	15039
GI	none	Score	45
Exons	12824..12925, 12992..13120, 12993..13109, 13612..13803, 13629..13784, 14832..14900, 14833..14904, 15006..15038, 15007..15039		

Seq. No.	30687	Seq. ID	OJ990709_06.9927.C10

Gene No.	63445	Strand	-
Start	17718	End	17830
Name	OJ990709_06.9927.C10.o2.tc	Method	TBLASTX:Cress
Start	12830	End	13758
GI	none	Score	46
Exons	12830..12925, 12992..13105, 12993..13106, 13612..13758, 13635..13754		

Seq. No.	30687	Seq. ID	OJ990709_06.9927.C10
Gene No.	63445	Strand	-
Start	17718	End	17830
Name	OJ990709_06.9927.C10.o2.ts	Method	TBLASTX:Soybean
Start	15042	End	17830
GI	none	Score	262
Exons	15042..15212, 15043..15213, 15046..15210, 15060..15212, 16181..16234, 16182..16235, 16675..16881, 16680..16892, 16954..17010, 17036..17197, 17046..17198, 17062..17199, 17266..17340, 17380..17619, 17405..17635, 17507..17620, 17722..17799, 17723..17830		

Seq. No.	30687	Seq. ID	OJ990709_06.9927.C10
Gene No.	63445	Strand	-
Start	17718	End	17830
Name	OJ990709_06.9927.C10.o1.tm	Method	TBLASTX:Maize
Start	16875	End	17326
GI	none	Score	133
Exons	16875..16994, 16875..16994, 16876..17001, 16977..17198, 16978..17199, 16979..17206, 17030..17209, 17266..17325, 17285..17326		

Seq. No.	30687	Seq. ID	OJ990709_06.9927.C10
Gene No.	63445	Strand	-
Start	17718	End	17830
Name	OJ990709_06.9927.C10.o2.gp	Method	AAT/GAP
Start	17718	End	17830
GI	LIB3433-041-P1-K1-G3	Score	167
Exons	17718..17830		
GI Descrip.	'2623300 2.0e-53 (AC002409) putative protein phosphatase 2C [Arabidopsis thaliana]'		

Seq. No.	30688	Seq. ID	OJ990709_06.9927.C11
Gene No.	63446	Strand	+
Start	1	End	2172
Name	OJ990709_06.9927.C11.o1.np	Method	AAT/NAP
Start	1	End	1208
GI	2623300	Score	326
Exons	1..252, 1018..1208		
GI Descrip.	(AC002409) putative protein phosphatase 2C [Arabidopsis thaliana]		

Seq. No.	30688	Seq. ID	OJ990709_06.9927.C11
Gene No.	63446	Strand	+
Start	1	End	2172
Name	OJ990709_06.9927.C11.o1.gp	Method	AAT/GAP
Start	155	End	1297
GI	LIB3433-041-P1-K1-G3	Score	673
Exons	155..252, 1018..1297		

GI Descrip.	'2623300 2.0e-53 (AC002409) putative protein phosphatase 2C [Arabidopsis thaliana]'		
Seq. No.	30688	Seq. ID	OJ990709_06.9927.C11
Gene No.	63446	Strand	+
Start	1	End	2172
Name	OJ990709_06.9927.C11.o1.gs	Method	GENSCAN
Start	157	End	2172
GI	none	Score	.5
Exons	157..252, 1018..1086, 2078..2172		

Seq. No.	30688	Seq. ID	OJ990709_06.9927.C11
Gene No.	63446	Strand	+
Start	1	End	2172
Name	OJ990709_06.9927.C11.o1.tc	Method	TBLASTX:Cress
Start	1014	End	1253
GI	none	Score	117
Exons	1014..1097, 1015..1098, 1089..1253, 1097..1204		

Seq. No.	30688	Seq. ID	OJ990709_06.9927.C11
Gene No.	63446	Strand	+
Start	1	End	2172
Name	OJ990709_06.9927.C11.o1.tm	Method	TBLASTX:Maize
Start	1016	End	1220
GI	none	Score	73
Exons	1016..1099, 1017..1100, 1017..1100, 1018..1101, 1087..1209, 1088..1204, 1089..1220, 1089..1208, 1102..1212		

Seq. No.	30689	Seq. ID	OJ990709_06.9927.C12
Gene No.	63447	Strand	-
Start	1	End	1729
Name	OJ990709_06.9927.C12.o1.np	Method	AAT/NAP
Start	1	End	1117
GI	4539359	Score	205
Exons	1..78, 245..407, 884..1117		
GI Descrip.	(AL049525) putative protein [Arabidopsis thaliana]		

Seq. No.	30689	Seq. ID	OJ990709_06.9927.C12
Gene No.	63447	Strand	-
Start	1	End	1729
Name	OJ990709_06.9927.C12.o1.gs	Method	GENSCAN
Start	249	End	1729
GI	none	Score	.91
Exons	249..407, 884..1100, 1225..1261, 1456..1729		

Seq. No.	30689	Seq. ID	OJ990709_06.9927.C12
Gene No.	63447	Strand	-
Start	1	End	1729
Name	OJ990709_06.9927.C12.o1.gp	Method	AAT/GAP
Start	282	End	1026
GI	6024898	Score	424
Exons	282..407, 884..1026		

Seq. No.	30689	Seq. ID	OJ990709_06.9927.C12
Gene No.	63448	Strand	-
Start	1895	End	3740
Name	OJ990709_06.9927.C12.o1.ts	Method	TBLASTX:Soybean

Start	2	End	1265
GI	none	Score	157
Exons	2..70, 249..374, 879..1103, 881..1099, 1224..1265		

Seq. No.	30689	Seq. ID	OJ990709_06.9927.C12
Gene No.	63448	Strand	-
Start	1895	End	3740
Name	OJ990709_06.9927.C12.o1.tc	Method	TBLASTX:Cress
Start	252	End	1097
GI	none	Score	115
Exons	252..371, 881..1096, 942..1097		

Seq. No.	30689	Seq. ID	OJ990709_06.9927.C12
Gene No.	63448	Strand	-
Start	1895	End	3740
Name	OJ990709_06.9927.C12.o3.tm	Method	TBLASTX:Maize
Start	890	End	1298
GI	none	Score	86
Exons	890..979, 891..980, 977..1099, 978..1100, 1224..1298		

Seq. No.	30689	Seq. ID	OJ990709_06.9927.C12
Gene No.	63448	Strand	-
Start	1895	End	3740
Name	OJ990709_06.9927.C12.o2.gs	Method	GENSCAN
Start	1895	End	3622
GI	none	Score	.73
Exons	1895..3622		

Seq. No.	30689	Seq. ID	OJ990709_06.9927.C12
Gene No.	63448	Strand	-
Start	1895	End	3740
Name	OJ990709_06.9927.C12.o1.tm	Method	TBLASTX:Maize
Start	1985	End	2410
GI	none	Score	191
Exons	1985..2407, 1986..2246, 1988..2254, 2303..2410		

Seq. No.	30689	Seq. ID	OJ990709_06.9927.C12
Gene No.	63448	Strand	-
Start	1895	End	3740
Name	OJ990709_06.9927.C12.o2.np	Method	AAT/NAP
Start	2081	End	3740
GI	4538896	Score	1147
Exons	2081..3125, 3186..3740		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	30689	Seq. ID	OJ990709_06.9927.C12
Gene No.	63448	Strand	-
Start	1895	End	3740
Name	OJ990709_06.9927.C12.o2.tm	Method	TBLASTX:Maize
Start	2888	End	3269
GI	none	Score	52
Exons	2888..2959, 2888..2980, 2984..3094, 2984..3265, 3117..3269		

Seq. No.	30689	Seq. ID	OJ990709_06.9927.C12
Gene No.	63448	Strand	-
Start	1895	End	3740
Name	OJ990709_06.9927.C12.o4.tm	Method	TBLASTX:Maize

Start	3285	End	3512
GI	none	Score	104
Exons	3285..3512, 3302..3511		

Seq. No.	30690	Seq. ID	OJ990709_06.9927.C13
Gene No.	63449	Strand	-
Start	1	End	1172
Name	OJ990709_06.9927.C13.o1.np	Method	AAT/NAP
Start	1	End	385
GI	4538896	Score	188
Exons	1..385		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	30690	Seq. ID	OJ990709_06.9927.C13
Gene No.	63449	Strand	-
Start	1	End	1172
Name	OJ990709_06.9927.C13.o1.gs	Method	GENSCAN
Start	185	End	1172
GI	none	Score	.89
Exons	185..590, 983..1172		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63450	Strand	+
Start	6256	End	6672
Name	OJ990709_06.9927.C14.o1.gp	Method	AAT/GAP
Start	6256	End	6672
GI	5816562	Score	683
Exons	6256..6672		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63451	Strand	+
Start	10175	End	16927
Name	OJ990709_06.9927.C14.o4.gp	Method	AAT/GAP
Start	10070	End	10455
GI	uC-osf1cyp033a04b1	Score	649
Exons	10070..10455		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63451	Strand	+
Start	10175	End	16927
Name	OJ990709_06.9927.C14.o4.gs	Method	GENSCAN
Start	10175	End	16927
GI	none	Score	.7
Exons	10175..10240, 11350..12115, 12154..12236, 12408..16634, 16691..16927		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63451	Strand	+
Start	10175	End	16927
Name	OJ990709_06.9927.C14.o1.np	Method	AAT/NAP
Start	12405	End	16924
GI	4680179	Score	5400
Exons	12405..13490, 13524..16924		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63452	Strand	-
Start	834	End	2119
Name	OJ990709_06.9927.C14.o1.gs	Method	GENSCAN
Start	834	End	2119
GI	none	Score	.7
Exons	834..1187, 1366..1625, 2116..2119		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63453	Strand	-
Start	7398	End	7782
Name	OJ990709_06.9927.C14.o2.gp	Method	AAT/GAP
Start	7398	End	7782
GI	uC-osf1cyp033a04b1	Score	678
Exons	7398..7782		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o10.tw	Method	TBLASTX:Wheat
Start	1027	End	1218
GI	none	Score	160
Exons	1027..1218, 1032..1217		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o7.tm	Method	TBLASTX:Maize
Start	1060	End	1217
GI	none	Score	144
Exons	1060..1209, 1068..1217		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o1.tc	Method	TBLASTX:Cress
Start	1068	End	1217
GI	none	Score	119
Exons	1068..1217, 1069..1215		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o4.ts	Method	TBLASTX:Soybean
Start	1068	End	1217
GI	none	Score	101
Exons	1068..1217, 1069..1206		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o6.tw	Method	TBLASTX:Wheat
Start	2240	End	14906

GI	none	Score	55
Exons	2240..2359, 14619..14906, 14621..14905		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o5.tw	Method	TBLASTX:Wheat
Start	5001	End	16879
GI	none	Score	153
Exons	5001..5333, 5022..5294, 5053..5334, 16547..16684, 16548..16685, 16551..16724, 16685..16879		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o8.tm	Method	TBLASTX:Maize
Start	5016	End	16828
GI	none	Score	97
Exons	5016..5174, 5019..5177, 16724..16828		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o1.tm	Method	TBLASTX:Maize
Start	5184	End	16691
GI	none	Score	63
Exons	5184..5621, 5193..5279, 5194..5403, 5352..5621, 5479..5622, 5619..5777, 5626..5772, 5628..5780, 5629..5781, 16101..16262, 16109..16255, 16260..16691, 16265..16690		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o1.tw	Method	TBLASTX:Wheat
Start	5334	End	16547
GI	none	Score	224
Exons	5334..5960, 5458..5793, 5619..5801, 5812..5904, 15921..16547, 15977..16435, 16[illegible]..16544		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o4.tm	Method	TBLASTX:Maize
Start	5829	End	16052
GI	none	Score	124
Exons	5829..5996, 5833..6000, 15761..16048, 15762..16052		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o2.ts	Method	TBLASTX:Soybean
Start	5919	End	15963
GI	none	Score	74
Exons	5919..5990, 5920..5991, 15702..15962, 15707..15961, 15781..15963		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-

Start	8678	End	16879
Name	OJ990709_06.9927.C14.o3.gs	Method	GENSCAN
Start	8678	End	9638
GI	none	Score	.84
Exons	8678..9312, 9551..9638		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o9.tw	Method	TBLASTX:Wheat
Start	12648	End	12847
GI	none	Score	211
Exons	12648..12845, 12650..12847		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o7.tw	Method	TBLASTX:Wheat
Start	12881	End	13232
GI	none	Score	293
Exons	12881..13075, 12882..13232		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o6.tm	Method	TBLASTX:Maize
Start	12882	End	13187
GI	none	Score	232
Exons	12882..13187, 12896..13012		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o9.tm	Method	TBLASTX:Maize
Start	13515	End	13868
GI	none	Score	188
Exons	13515..13868		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o8.tw	Method	TBLASTX:Wheat
Start	13551	End	13973
GI	none	Score	166
Exons	13551..13760, 13607..13759, 13805..13918, 13806..13973		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o4.tw	Method	TBLASTX:Wheat
Start	14088	End	14570
GI	none	Score	51
Exons	14088..14138, 14192..14527, 14193..14570		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879

Name	OJ990709_06.9927.C14.o5.tm	Method	TBLASTX:Maize
Start	14100	End	14389
GI	none	Score	277
Exons	14100..14387, 14196..14387, 14198..14389		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o3.tm	Method	TBLASTX:Maize
Start	14457	End	14957
GI	none	Score	167
Exons	14457..14636, 14465..14611, 14643..14957, 14783..14836, 14864..14908		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o1.ts	Method	TBLASTX:Soybean
Start	14511	End	14906
GI	none	Score	57
Exons	14511..14543, 14513..14542, 14547..14906, 14549..14587, 14615..14905		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o3.tw	Method	TBLASTX:Wheat
Start	14922	End	15347
GI	none	Score	603
Exons	14922..15347, 14954..15343		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o3.ts	Method	TBLASTX:Soybean
Start	14928	End	15173
GI	none	Score	207
Exons	14928..15173, 14945..15172		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o2.tm	Method	TBLASTX:Maize
Start	14993	End	15356
GI	none	Score	482
Exons	14993..15343, 14994..15347, 14994..15356		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-
Start	8678	End	16879
Name	OJ990709_06.9927.C14.o2.tw	Method	TBLASTX:Wheat
Start	15350	End	15914
GI	none	Score	659
Exons	15350..15913, 15351..15914		

Seq. No.	30691	Seq. ID	OJ990709_06.9927.C14
Gene No.	63454	Strand	-

Start	8678	End	16879
Name	OJ990709_06.9927.C14.o2.tc	Method	TBLASTX:Cress
Start	15621	End	15938
GI	none	Score	90
Exons	15621..15794, 15795..15938, 15797..15937		

Seq. No.	30692	Seq. ID	OJ990709_06.9927.C15
Gene No.	63455	Strand	-
Start	1	End	428
Name	OJ990709_06.9927.C15.o1.np	Method	AAT/NAP
Start	1	End	386
GI	6907087	Score	384
Exons	1..386		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30692	Seq. ID	OJ990709_06.9927.C15
Gene No.	63455	Strand	-
Start	1	End	428
Name	OJ990709_06.9927.C15.o1.gp	Method	AAT/GAP
Start	19	End	428
GI	uC-osflm202100h04b1	Score	758
Exons	19..428		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	30693	Seq. ID	OJ990709_06.9927.C17
Gene No.	63456	Strand	-
Start	1	End	395
Name	OJ990709_06.9927.C17.o1.np	Method	AAT/NAP
Start	1	End	395
GI	4680179	Score	418
Exons	1..395		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	30693	Seq. ID	OJ990709_06.9927.C17
Gene No.	63456	Strand	-
Start	1	End	395
Name	OJ990709_06.9927.C17.o1.gs	Method	GENSCAN
Start	134	End	315
GI	none	Score	.91
Exons	134..315		

Seq. No.	30693	Seq. ID	OJ990709_06.9927.C17
Gene No.	63456	Strand	-
Start	1	End	395
Name	OJ990709_06.9927.C17.o1.tm	Method	TBLASTX:Maize
Start	136	End	393
GI	none	Score	98
Exons	136..393, 149..391		

Seq. No.	30693	Seq. ID	OJ990709_06.9927.C17
Gene No.	63456	Strand	-
Start	1	End	395
Name	OJ990709_06.9927.C17.o1.tw	Method	TBLASTX:Wheat
Start	143	End	393

GI	none	Score	169
Exons	143..337, 144..338, 148..345, 349..393, 353..391		
Seq. No.	30694	Seq. ID	OJ990129_01.9917.C1
Gene No.	63457	Strand	+
Start	309	End	392
Name	OJ990129_01.9917.C1.o1.gs	Method	GENSCAN
Start	309	End	392
GI	none	Score	.73
Exons	309..392		
Seq. No.	30695	Seq. ID	OJ990129_01.9917.C2
Gene No.	63458	Strand	-
Start	757	End	4955
Name	OJ990129_01.9917.C2.o1.gs	Method	GENSCAN
Start	757	End	4955
GI	none	Score	.83
Exons	757..885, 1512..1715, 2067..2165, 2309..2446, 2695..2733, 4194..4339, 4667..4760, 4926..4955		
Seq. No.	30695	Seq. ID	OJ990129_01.9917.C2
Gene No.	63458	Strand	-
Start	757	End	4955
Name	OJ990129_01.9917.C2.o1.np	Method	AAT/NAP
Start	1443	End	4799
GI	3355471	Score	769
Exons	1443..1715, 2067..2165, 2309..2446, 2603..2733, 4194..4339, 4512..4544, 4667..4799		
GI Descrip.	(AC004218) putative phospholipase [Arabidopsis thaliana]		
Seq. No.	30695	Seq. ID	OJ990129_01.9917.C2
Gene No.	63458	Strand	-
Start	757	End	4955
Name	OJ990129_01.9917.C2.o1.tc	Method	TBLASTX:Cress
Start	1500	End	2156
GI	none	Score	115
Exons	1500..1718, 1501..1713, 1518..1718, 2064..2156		
Seq. No.	30695	Seq. ID	OJ990129_01.9917.C2
Gene No.	63458	Strand	-
Start	757	End	4955
Name	OJ990129_01.9917.C2.o1.ts	Method	TBLASTX:Soybean
Start	1506	End	1719
GI	none	Score	166
Exons	1506..1718, 1519..1719		
Seq. No.	30695	Seq. ID	OJ990129_01.9917.C2
Gene No.	63458	Strand	-
Start	757	End	4955
Name	OJ990129_01.9917.C2.o1.tm	Method	TBLASTX:Maize
Start	1512	End	4560
GI	none	Score	177
Exons	1512..1718, 1513..1716, 2073..2168, 2306..2470, 2322..2447, 2600..2707, 2604..2705, 4198..4260, 4257..4346, 4261..4341, 4510..4560		
Seq. No.	30695	Seq. ID	OJ990129_01.9917.C2

Gene No.	63458	Strand	-
Start	757	End	4955
Name	OJ990129_01.9917.C2.o2.tc	Method	TBLASTX:Cress
Start	2590	End	4757
GI	none	Score	77
Exons	2590..2691, 2600..2704, 2600..2740, 2604..2741, 4195..4254, 4254..4352, 4255..4320, 4489..4560, 4493..4546, 4657..4752, 4665..4757		

Seq. No.	30696	Seq. ID	OJ990129_01.9917.C5
Gene No.	63459	Strand	-
Start	1	End	483
Name	OJ990129_01.9917.C5.o1.np	Method	AAT/NAP
Start	1	End	483
GI	4680204	Score	243
Exons	1..483		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	30696	Seq. ID	OJ990129_01.9917.C5
Gene No.	63459	Strand	-
Start	1	End	483
Name	OJ990129_01.9917.C5.o1.gs	Method	GENSCAN
Start	10	End	375
GI	none	Score	.85
Exons	10..323, 335..375		

Seq. No.	30697	Seq. ID	OJ990129_01.9917.C7
Gene No.	63460	Strand	-
Start	1	End	689
Name	OJ990129_01.9917.C7.o1.np	Method	AAT/NAP
Start	1	End	689
GI	6742729	Score	1100
Exons	1..689		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	30697	Seq. ID	OJ990129_01.9917.C7
Gene No.	63460	Strand	-
Start	1	End	689
Name	OJ990129_01.9917.C7.o1.tw	Method	TBLASTX:Wheat
Start	107	End	556
GI	none	Score	104
Exons	107..232, 108..236, 109..237, 109..231, 264..476, 265..507, 305..487, 493..555, 506..556		

Seq. No.	30697	Seq. ID	OJ990129_01.9917.C7
Gene No.	63460	Strand	-
Start	1	End	689
Name	OJ990129_01.9917.C7.o1.gs	Method	GENSCAN
Start	169	End	666
GI	none	Score	.71
Exons	169..666		

Seq. No.	30698	Seq. ID	OJ990129_01.9917.C8
Gene No.	63461	Strand	-
Start	1	End	1528
Name	OJ990129_01.9917.C8.o1.np	Method	AAT/NAP
Start	1	End	1528

GI	4680203	Score	577
Exons	1..623, 1461..1528		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	30698	Seq. ID	OJ990129_01.9917.C8
Gene No.	63461	Strand	-
Start	1	End	1528
Name	OJ990129_01.9917.C8.o1.tw	Method	TBLASTX:Wheat
Start	1	End	317
GI	none	Score	128
Exons	1..174, 3..182, 165..317, 179..298		

Seq. No.	30698	Seq. ID	OJ990129_01.9917.C8
Gene No.	63461	Strand	-
Start	1	End	1528
Name	OJ990129_01.9917.C8.o1.gs	Method	GENSCAN
Start	16	End	1177
GI	none	Score	.46
Exons	16..623, 1140..1177		

Seq. No.	30698	Seq. ID	OJ990129_01.9917.C8
Gene No.	63461	Strand	-
Start	1	End	1528
Name	OJ990129_01.9917.C8.o1.gp	Method	AAT/GAP
Start	486	End	1109
GI	2310235	Score	291
Exons	486..624, 1073..1109		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	30699	Seq. ID	OJ990129_01.9917.C13
Gene No.	63462	Strand	+
Start	1	End	3873
Name	OJ990129_01.9917.C13.o1.np	Method	AAT/NAP
Start	1	End	3761
GI	6069646	Score	380
Exons	1..47, 3327..3761		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	30699	Seq. ID	OJ990129_01.9917.C13
Gene No.	63462	Strand	+
Start	1	End	3873
Name	OJ990129_01.9917.C13.o1.gs	Method	GENSCAN
Start	1314	End	3873
GI	none	Score	.49
Exons	1314..1359, 1542..1629, 2087..2341, 3426..3873		

Seq. No.	30700	Seq. ID	OJ990129_01.9917.C14
Gene No.	63463	Strand	-
Start	165	End	201
Name	OJ990129_01.9917.C14.o1.gs	Method	GENSCAN
Start	165	End	201
GI	none	Score	.75

Exons	165..201		
Seq. No.	30701	Seq. ID	OJ990129_01.9917.C15
Gene No.	63464	Strand	-
Start	1	End	410
Name	OJ990129_01.9917.C15.o1.np	Method	AAT/NAP
Start	1	End	410
GI	4680204	Score	216
Exons	1..410		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	30701	Seq. ID	OJ990129_01.9917.C15
Gene No.	63464	Strand	-
Start	1	End	410
Name	OJ990129_01.9917.C15.o1.gs	Method	GENSCAN
Start	9	End	288
GI	none	Score	.78
Exons	9..288		
Seq. No.	30702	Seq. ID	OJ990129_01.9917.C16
Gene No.	63465	Strand	+
Start	292	End	851
Name	OJ990129_01.9917.C16.o1.gs	Method	GENSCAN
Start	292	End	851
GI	none	Score	.49
Exons	292..357, 527..611, 748..851		
Seq. No.	30703	Seq. ID	OJ990129_01.9917.C18
Gene No.	63466	Strand	+
Start	1	End	560
Name	OJ990129_01.9917.C18.o1.np	Method	AAT/NAP
Start	1	End	560
GI	418604	Score	964
Exons	1..560		
GI Descrip.	HYPOTHETICAL 35.6 KD PROTEIN IN RPME-TDK INTERGENIC REGION (ORFP)		
Seq. No.	30704	Seq. ID	OJ990129_01.9917.C19
Gene No.	63467	Strand	+
Start	415	End	512
Name	OJ990129_01.9917.C19.o1.gs	Method	GENSCAN
Start	415	End	512
GI	none	Score	.67
Exons	415..512		
Seq. No.	30705	Seq. ID	OJ990129_01.9917.C21
Gene No.	63468	Strand	+
Start	32	End	457
Name	OJ990129_01.9917.C21.o1.gs	Method	GENSCAN
Start	32	End	457
GI	none	Score	1
Exons	32..457		
Seq. No.	30706	Seq. ID	OJ990129_01.9917.C23
Gene No.	63469	Strand	-
Start	13	End	382
Name	OJ990129_01.9917.C23.o1.gs	Method	GENSCAN

Start	13	End	382
GI	none	Score	.72
Exons	13..186, 294..382		

Seq. No.	30707	Seq. ID	OJ990129_01.9917.C24
Gene No.	63470	Strand	-
Start	17	End	61
Name	OJ990129_01.9917.C24.o1.gs	Method	GENSCAN
Start	17	End	61
GI	none	Score	.68
Exons	17..61		

Seq. No.	30708	Seq. ID	OJ990129_01.9917.C26
Gene No.	63471	Strand	+
Start	42	End	262
Name	OJ990129_01.9917.C26.o1.np	Method	AAT/NAP
Start	42	End	262
GI	131332	Score	237
Exons	42..262		
GI Descrip.	PHOTOSYSTEM II 10 KD PHOSPHOPROTEIN gi|72716|pir||F2RZ0P photosystem II phosphoprotein psbH - rice chloroplast gi|11953|emb|CAA31204| (X12695) 10 kD phosphoprotein (AA 1 - 73) [Oryza sativa] gi|12016|emb|CAA33976| (X15901) PSII 10kDa phosphoprotein [Oryza sativa] gi|226635|prf||1603356BJ photosystem II 10kD phosphoprotein [Oryza sativa]		

Seq. No.	30708	Seq. ID	OJ990129_01.9917.C26
Gene No.	63472	Strand	+
Start	308	End	582
Name	OJ990129_01.9917.C26.o1.tm	Method	TBLASTX:Maize
Start	17	End	255
GI	none	Score	170
Exons	17..175, 17..172, 24..191, 40..174, 172..255, 174..254, 178..255, 222..248		

Seq. No.	30708	Seq. ID	OJ990129_01.9917.C26
Gene No.	63472	Strand	+
Start	308	End	582
Name	OJ990129_01.9917.C26.o1.tc	Method	TBLASTX:Cress
Start	33	End	259
GI	none	Score	156
Exons	33..191, 41..172, 172..258, 176..259, 180..254		

Seq. No.	30708	Seq. ID	OJ990129_01.9917.C26
Gene No.	63472	Strand	+
Start	308	End	582
Name	OJ990129_01.9917.C26.o1.ts	Method	TBLASTX:Soybean
Start	33	End	259
GI	none	Score	156
Exons	33..191, 33..98, 41..172, 172..243, 176..259, 180..254, 181..255		

Seq. No.	30708	Seq. ID	OJ990129_01.9917.C26
Gene No.	63472	Strand	+
Start	308	End	582
Name	OJ990129_01.9917.C26.o1.gs	Method	GENSCAN
Start	308	End	582
GI	none	Score	.6

Exons	308..467, 580..582		

Seq. No.	30709	Seq. ID	OJ990129_01.9917.C27
Gene No.	63473	Strand	+
Start	1438	End	2130
Name	OJ990129_01.9917.C27.o1.gs	Method	GENSCAN
Start	1438	End	2130
GI	none	Score	.62
Exons	1438..1488, 1728..1819, 1878..2130		

Seq. No.	30709	Seq. ID	OJ990129_01.9917.C27
Gene No.	63474	Strand	-
Start	3364	End	17181
Name	OJ990129_01.9917.C27.o2.gs	Method	GENSCAN
Start	3364	End	17181
GI	none	Score	.57
Exons	3364..3495, 5362..5538, 6081..6193, 6679..6798, 7368..7448, 8144..8217, 8295..8487, 8566..8705, 8831..8952, 9041..9110, 9637..9762, 10364..10494, 10619..10694, 10928..11097, 12887..12944, 13828..13970, 14005..14155, 14790..14903, 17078..17181		

Seq. No.	30709	Seq. ID	OJ990129_01.9917.C27
Gene No.	63474	Strand	-
Start	3364	End	17181
Name	OJ990129_01.9917.C27.o1.np	Method	AAT/NAP
Start	6068	End	6383
GI	6539588	Score	170
Exons	6068..6383		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	30709	Seq. ID	OJ990129_01.9917.C27
Gene No.	63474	Strand	-
Start	3364	End	17181
Name	OJ990129_01.9917.C27.o2.np	Method	AAT/NAP
Start	8097	End	14501
GI	2243118	Score	1177
Exons	8097..8217, 8295..8487, 8566..8705, 8831..8952, 9041..9110, 9195..9277, 9490..9568, 9640..9762, 10364..10494, 10619..10694, 10928..11097, 13833..13912, 14299..14501		
GI Descrip.	(Y10984) glutathione synthetase [Brassica juncea]		

Seq. No.	30709	Seq. ID	OJ990129_01.9917.C27
Gene No.	63474	Strand	-
Start	3364	End	17181
Name	OJ990129_01.9917.C27.o1.gp	Method	AAT/GAP
Start	8171	End	8625
GI	LIB3433-058-P1-K1-C12	Score	473
Exons	8171..8217, 8295..8487, 8566..8625		
GI Descrip.	'4808537/gb|AAD29848.1|AF075699_1 8.0e-31 (AF075699) putative glutathione synthetase; GSHS1 [Medicago truncatula]'		

Seq. No.	30709	Seq. ID	OJ990129_01.9917.C27
Gene No.	63474	Strand	-
Start	3364	End	17181
Name	OJ990129_01.9917.C27.o2.gp	Method	AAT/GAP
Start	8914	End	11068

GI	31514_1.R1084	Score	1254
Exons	8914..8952, 9041..9110, 9195..9275, 9488..9568, 9640..9762, 10364..10494, 10619..10694, 10928..11068		
GI Descrip.	'2407617 1.0e-62 (AF017984) glutathione synthetase [Lycopersicon esculentum]'		

Seq. No.	30709	Seq. ID	OJ990129_01.9917.C27
Gene No.	63475	Strand	-
Start	18395	End	20015
Name	OJ990129_01.9917.C27.o1.tc	Method	TBLASTX:Cress
Start	8085	End	8875
GI	none	Score	83
Exons	8085..8225, 8088..8219, 8294..8488, 8298..8489, 8473..8505, 8563..8706, 8564..8707, 8565..8708, 8830..8874, 8831..8875		

Seq. No.	30709	Seq. ID	OJ990129_01.9917.C27
Gene No.	63475	Strand	-
Start	18395	End	20015
Name	OJ990129_01.9917.C27.o1.ts	Method	TBLASTX:Soybean
Start	8094	End	9764
GI	none	Score	63
Exons	8094..8219, 8098..8223, 8292..8489, 8294..8488, 8564..8707, 8565..8708, 8828..8950, 8829..8951, 8830..8952, 8831..8953, 9036..9110, 9041..9109, 9137..9286, 9490..9546, 9639..9764		

Seq. No.	30709	Seq. ID	OJ990129_01.9917.C27
Gene No.	63475	Strand	-
Start	18395	End	20015
Name	OJ990129_01.9917.C27.o1.tm	Method	TBLASTX:Maize
Start	8116	End	11013
GI	none	Score	88
Exons	8116..8214, 8118..8219, 8136..8225, 8294..8488, 8295..8489, 8564..8719, 8565..8708, 8829..8951, 8830..8952, 8831..8953, 9036..9098, 9041..9106, 9044..9100, 9137..9286, 9490..9546, 9511..9570, 9624..9719, 9648..9764, 10362..10469, 10362..10496, 10363..10497, 10363..10497, 10619..10687, 10619..10696, 10927..11013, 10928..11011, 10933..11013		

Seq. No.	30709	Seq. ID	OJ990129_01.9917.C27
Gene No.	63475	Strand	-
Start	18395	End	20015
Name	OJ990129_01.9917.C27.o2.tc	Method	TBLASTX:Cress
Start	10387	End	13901
GI	none	Score	52
Exons	10387..10497, 10411..10497, 10614..10721, 10619..10696, 10927..11139, 10928..11095, 10933..11100, 13836..13901		

Seq. No.	30709	Seq. ID	OJ990129_01.9917.C27
Gene No.	63475	Strand	-
Start	18395	End	20015
Name	OJ990129_01.9917.C27.o2.ts	Method	TBLASTX:Soybean
Start	10420	End	13913
GI	none	Score	126
Exons	10420..10497, 10619..10696, 10927..11139, 10928..11098, 10933..11100, 13839..13913		

Seq. No.	30709	Seq. ID	OJ990129_01.9917.C27

Gene No.	63475	Strand	-
Start	18395	End	20015
Name	OJ990129_01.9917.C27.o3.gs	Method	GENSCAN
Start	18395	End	19932
GI	none	Score	.91
Exons	18395..18877, 18968..19132, 19417..19545, 19660..19731, 19828..19932		

Seq. No.	30709	Seq. ID	OJ990129_01.9917.C27
Gene No.	63475	Strand	-
Start	18395	End	20015
Name	OJ990129_01.9917.C27.o3.np	Method	AAT/NAP
Start	18401	End	20015
GI	3859602	Score	675
Exons	18401..18871, 18968..19132, 19225..19343, 19413..19545, 19660..19731, 19828..20015		
GI Descrip.	(AF104919) contains similarity to human DHHC-domain-containing cysteine-rich protein (GB:U90653) and several S. cerevisiae probable membrane proteins (GB:U20865, Z48758, U43491) [Arabidopsis thaliana]		

Seq. No.	30710	Seq. ID	OJ990129_01.9917.C28
Gene No.	63476	Strand	-
Start	1	End	599
Name	OJ990129_01.9917.C28.o1.np	Method	AAT/NAP
Start	1	End	599
GI	3859602	Score	281
Exons	1..255, 295..385, 461..599		
GI Descrip.	(AF104919) contains similarity to human DHHC-domain-containing cysteine-rich protein (GB:U90653) and several S. cerevisiae probable membrane proteins (GB:U20865, Z48758, U43491) [Arabidopsis thaliana]		

Seq. No.	30710	Seq. ID	OJ990129_01.9917.C28
Gene No.	63477	Strand	-
Start	2291	End	5689
Name	OJ990129_01.9917.C28.o1.gp	Method	AAT/GAP
Start	2086	End	5689
GI	2190_1.R1084	Score	1266
Exons	2086..2454, 2752..2955, 5586..5689		
GI Descrip.	'1708424/sp|P52581|IFRI_LUPAL 1.0e-117 ISOFLAVONE REDUCTASE HOMOLOG >gi_1230614 (U48590) isoflavone reductase-like protein [Lupinus albus]'		

Seq. No.	30710	Seq. ID	OJ990129_01.9917.C28
Gene No.	63477	Strand	-
Start	2291	End	5689
Name	OJ990129_01.9917.C28.o2.ts	Method	TBLASTX:Soybean
Start	2282	End	2468
GI	none	Score	126
Exons	2282..2452, 2292..2438, 2292..2468		

Seq. No.	30710	Seq. ID	OJ990129_01.9917.C28
Gene No.	63477	Strand	-
Start	2291	End	5689
Name	OJ990129_01.9917.C28.o2.gs	Method	GENSCAN
Start	2291	End	5621

GI	none	Score	.59
Exons	2291..2454, 2752..2955, 3902..3995, 4020..4217, 5586..5621		

Seq. No.	30710	Seq. ID	OJ990129_01.9917.C28
Gene No.	63477	Strand	-
Start	2291	End	5689
Name	OJ990129_01.9917.C28.o2.tm	Method	TBLASTX:Maize
Start	2291	End	2453
GI	none	Score	137
Exons	2291..2443, 2292..2453		

Seq. No.	30710	Seq. ID	OJ990129_01.9917.C28
Gene No.	63477	Strand	-
Start	2291	End	5689
Name	OJ990129_01.9917.C28.o2.np	Method	AAT/NAP
Start	2294	End	5689
GI	1708424	Score	499
Exons	2294..2454, 2752..2955, 5586..5689		
GI Descrip.	ISOFLAVONE REDUCTASE HOMOLOG gi|1230614 (U48590) isoflavone reductase-like protein [Lupinus albus]		

Seq. No.	30710	Seq. ID	OJ990129_01.9917.C28
Gene No.	63477	Strand	-
Start	2291	End	5689
Name	OJ990129_01.9917.C28.o1.tc	Method	TBLASTX:Cress
Start	2313	End	5682
GI	none	Score	41
Exons	2313..2363, 2366..2452, 2370..2432, 2762..2965, 2763..2945, 2769..2987, 2932..2994, 2995..3063, 5581..5682		

Seq. No.	30710	Seq. ID	OJ990129_01.9917.C28
Gene No.	63477	Strand	-
Start	2291	End	5689
Name	OJ990129_01.9917.C28.o1.ts	Method	TBLASTX:Soybean
Start	2735	End	5688
GI	none	Score	103
Exons	2735..2950, 2753..2956, 2754..2957, 5587..5688		

Seq. No.	30710	Seq. ID	OJ990129_01.9917.C28
Gene No.	63477	Strand	-
Start	2291	End	5689
Name	OJ990129_01.9917.C28.o1.tm	Method	TBLASTX:Maize
Start	2748	End	2956
GI	none	Score	222
Exons	2748..2945, 2750..2956		

Seq. No.	30711	Seq. ID	OJ990129_01.9917.C29
Gene No.	63478	Strand	+
Start	1189	End	4268
Name	OJ990129_01.9917.C29.o2.np	Method	AAT/NAP
Start	1189	End	4268
GI	6735291	Score	88
Exons	1189..1227, 2767..2993, 4235..4268		
GI Descrip.	(AL137079) putative protein [Arabidopsis thaliana]		

Seq. No.	30711	Seq. ID	OJ990129_01.9917.C29
Gene No.	63479	Strand	-

Start	1	End	1174
Name	OJ990129_01.9917.C29.o1.np	Method	AAT/NAP
Start	1	End	1174
GI	1708424	Score	373
Exons	1..24, 845..1174		
GI Descrip.	ISOFLAVONE REDUCTASE HOMOLOG gi|1230614 (U48590) isoflavone reductase-like protein [Lupinus albus]		

Seq. No.	30711	Seq. ID	OJ990129_01.9917.C29
Gene No.	63479	Strand	-
Start	1	End	1174
Name	OJ990129_01.9917.C29.o1.gp	Method	AAT/GAP
Start	187	End	650
GI	LIB3432-059-P1-K1-D8	Score	735
Exons	187..650		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	30711	Seq. ID	OJ990129_01.9917.C29
Gene No.	63480	Strand	-
Start	4603	End	6833
Name	OJ990129_01.9917.C29.o2.gs	Method	GENSCAN
Start	4603	End	5239
GI	none	Score	.7
Exons	4603..4766, 5023..5239		

Seq. No.	30711	Seq. ID	OJ990129_01.9917.C29
Gene No.	63480	Strand	-
Start	4603	End	6833
Name	OJ990129_01.9917.C29.o3.np	Method	AAT/NAP
Start	4606	End	6833
GI	1708424	Score	516
Exons	4606..4766, 5023..5226, 6667..6833		
GI Descrip.	ISOFLAVONE REDUCTASE HOMOLOG gi|1230614 (U48590) isoflavone reductase-like protein [Lupinus albus]		

Seq. No.	30711	Seq. ID	OJ990129_01.9917.C29
Gene No.	63481	Strand	-
Start	7050	End	15906
Name	OJ990129_01.9917.C29.o1.ts	Method	TBLASTX:Soybean
Start	842	End	5256
GI	none	Score	86
Exons	842..1177, 843..935, 1011..1121, 5114..5197, 5114..5221, 5115..5216, 5116..5256		

Seq. No.	30711	Seq. ID	OJ990129_01.9917.C29
Gene No.	63481	Strand	-
Start	7050	End	15906
Name	OJ990129_01.9917.C29.o1.tc	Method	TBLASTX:Cress
Start	845	End	1171
GI	none	Score	114
Exons	845..1171, 849..935, 1011..1121		

Seq. No.	30711	Seq. ID	OJ990129_01.9917.C29
Gene No.	63481	Strand	-
Start	7050	End	15906
Name	OJ990129_01.9917.C29.o1.tm	Method	TBLASTX:Maize

Start	845	End	6864
GI	none	Score	236
Exons	845..1216, 846..1118, 3589..3654, 3679..3696, 6717..6833, 6718..6864, 6760..6834		

Seq. No.	30711	Seq. ID	OJ990129_01.9917.C29
Gene No.	63481	Strand	-
Start	7050	End	15906
Name	OJ990129_01.9917.C29.o2.ts	Method	TBLASTX:Soybean
Start	4594	End	4761
GI	none	Score	70
Exons	4594..4761, 4603..4749, 4604..4750		

Seq. No.	30711	Seq. ID	OJ990129_01.9917.C29
Gene No.	63481	Strand	-
Start	7050	End	15906
Name	OJ990129_01.9917.C29.o4.tm	Method	TBLASTX:Maize
Start	4603	End	4765
GI	none	Score	142
Exons	4603..4764, 4604..4765		

Seq. No.	30711	Seq. ID	OJ990129_01.9917.C29
Gene No.	63481	Strand	-
Start	7050	End	15906
Name	OJ990129_01.9917.C29.o2.tc	Method	TBLASTX:Cress
Start	4660	End	6864
GI	none	Score	107
Exons	4660..4761, 5024..5236, 5034..5228, 5073..5258, 5203..5265, 6662..6703, 6681..6833, 6700..6864		

Seq. No.	30711	Seq. ID	OJ990129_01.9917.C29
Gene No.	63481	Strand	-
Start	7050	End	15906
Name	OJ990129_01.9917.C29.o2.tm	Method	TBLASTX:Maize
Start	5015	End	5221
GI	none	Score	140
Exons	5015..5194, 5019..5216, 5020..5214, 5021..5221		

Seq. No.	30711	Seq. ID	OJ990129_01.9917.C29
Gene No.	63481	Strand	-
Start	7050	End	15906
Name	OJ990129_01.9917.C29.o2.gp	Method	AAT/GAP
Start	6667	End	6746
GI	2800892	Score	107
Exons	6667..6746		
GI Descrip.	1708424/sp|P52581|IFRI_LUPAL 5.0e-13 ISOFLAVONE REDUCTASE HOMOLOG >gi_1230614 (U48590) isoflavone reductase-like protein [Lupinus albus]		

Seq. No.	30711	Seq. ID	OJ990129_01.9917.C29
Gene No.	63481	Strand	-
Start	7050	End	15906
Name	OJ990129_01.9917.C29.o4.np	Method	AAT/NAP
Start	6681	End	9563
GI	6815072	Score	117
Exons	6681..6769, 9379..9563		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC		

T13P21; hypothetical protein (AC006067) [Oryza sativa]

Seq. No.	30711	Seq. ID	OJ990129_01.9917.C29
Gene No.	63481	Strand	-
Start	7050	End	15906
Name	OJ990129_01.9917.C29.o3.gs	Method	GENSCAN
Start	7050	End	15906
GI	none	Score	.61
Exons	7050..7172, 7424..7439, 7745..7882, 8905..8956, 9519..9628, 9721..9798, 9960..10015, 10793..10876, 14463..14483, 14669..14763, 15237..15295, 15466..15655, 15894..15906		

Seq. No.	30711	Seq. ID	OJ990129_01.9917.C29
Gene No.	63481	Strand	-
Start	7050	End	15906
Name	OJ990129_01.9917.C29.o3.gp	Method	AAT/GAP
Start	7224	End	8130
GI	none	Score	1224
Exons	7224..7826, 8099..8130		

Seq. No.	30711	Seq. ID	OJ990129_01.9917.C29
Gene No.	63481	Strand	-
Start	7050	End	15906
Name	OJ990129_01.9917.C29.o4.gp	Method	AAT/GAP
Start	9485	End	9816
GI	2796629	Score	351
Exons	9485..9628, 9721..9816		

Seq. No.	30711	Seq. ID	OJ990129_01.9917.C29
Gene No.	63481	Strand	-
Start	7050	End	15906
Name	OJ990129_01.9917.C29.o3.tm	Method	TBLASTX:Maize
Start	14430	End	15295
GI	none	Score	82
Exons	14430..14528, 14438..14530, 14452..14532, 14454..14531, 14532..14567, 14539..14568, 14626..14763, 14661..14765, 14669..14764, 15235..15285, 15275..15295		

Seq. No.	30711	Seq. ID	OJ990129_01.9917.C29
Gene No.	63481	Strand	-
Start	7050	End	15906
Name	OJ990129_01.9917.C29.o5.np	Method	AAT/NAP
Start	14452	End	15295
GI	2499819	Score	234
Exons	14452..14566, 14669..14763, 15237..15295		
GI Descrip.	ASPARTIC PROTEINASE ORYZASIN 1 PRECURSOR gi|2130068|pir||S66516 aspartic proteinase 1 precursor - rice gi|1030715|dbj|BAA06876.1| (D32165) aspartic protease [Oryza sativa] gi|1711289|dbj|BAA06875| (D32144) aspartic protease [Oryza sativa]		

Seq. No.	30711	Seq. ID	OJ990129_01.9917.C29
Gene No.	63481	Strand	-
Start	7050	End	15906
Name	OJ990129_01.9917.C29.o3.tc	Method	TBLASTX:Cress
Start	14454	End	14765
GI	none	Score	65

Exons	14454..14531, 14455..14532, 14540..14566, 14661..14765, 14669..14764		
Seq. No.	30712	Seq. ID	OJ990129_01.9917.C30
Gene No.	63482	Strand	+
Start	991	End	1149
Name	OJ990129_01.9917.C30.o1.gs	Method	GENSCAN
Start	991	End	1149
GI	none	Score	.78
Exons	991..1149		
Seq. No.	30712	Seq. ID	OJ990129_01.9917.C30
Gene No.	63483	Strand	+
Start	2181	End	3098
Name	OJ990129_01.9917.C30.o2.gs	Method	GENSCAN
Start	2181	End	3098
GI	none	Score	.79
Exons	2181..2448, 3016..3098		
Seq. No.	30712	Seq. ID	OJ990129_01.9917.C30
Gene No.	63484	Strand	-
Start	4189	End	5878
Name	OJ990129_01.9917.C30.o1.np	Method	AAT/NAP
Start	4189	End	5878
GI	1708424	Score	82
Exons	4189..4210, 5795..5878		
GI Descrip.	ISOFLAVONE REDUCTASE HOMOLOG gi|1230614 (U48590) isoflavone reductase-like protein [Lupinus albus]		
Seq. No.	30712	Seq. ID	OJ990129_01.9917.C30
Gene No.	63484	Strand	-
Start	4189	End	5878
Name	OJ990129_01.9917.C30.o3.gs	Method	GENSCAN
Start	5501	End	5878
GI	none	Score	.87
Exons	5501..5530, 5795..5878		
Seq. No.	30713	Seq. ID	OJ990129_01.9917.C31
Gene No.	63485	Strand	+
Start	2409	End	6795
Name	OJ990129_01.9917.C31.o2.gs	Method	GENSCAN
Start	2409	End	6513
GI	none	Score	.81
Exons	2409..2466, 3850..3951, 4186..4455, 4540..4728, 5164..5216, 5262..5522, 6475..6513		
Seq. No.	30713	Seq. ID	OJ990129_01.9917.C31
Gene No.	63485	Strand	+
Start	2409	End	6795
Name	OJ990129_01.9917.C31.o3.np	Method	AAT/NAP
Start	4524	End	6795
GI	6523084	Score	119
Exons	4524..4732, 6757..6795		
GI Descrip.	(AL133315) putative protein [Arabidopsis thaliana] gi|6686786|emb|CAB64720.1| (AJ132317) AKIN gamma [Arabidopsis thaliana]		

Seq. No.	30713	Seq. ID	OJ990129_01.9917.C31
Gene No.	63485	Strand	+
Start	2409	End	6795
Name	OJ990129_01.9917.C31.o1.gp	Method	AAT/GAP
Start	4592	End	4732
GI	25396_1.R1084	Score	218
Exons	4592..4732		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	30713	Seq. ID	OJ990129_01.9917.C31
Gene No.	63486	Strand	-
Start	1	End	389
Name	OJ990129_01.9917.C31.o1.np	Method	AAT/NAP
Start	1	End	383
GI	1708424	Score	364
Exons	1..383		
GI Descrip.	ISOFLAVONE REDUCTASE HOMOLOG gi|1230614 (U48590) isoflavone reductase-like protein [Lupinus albus]		

Seq. No.	30713	Seq. ID	OJ990129_01.9917.C31
Gene No.	63486	Strand	-
Start	1	End	389
Name	OJ990129_01.9917.C31.o1.gs	Method	GENSCAN
Start	54	End	389
GI	none	Score	.93
Exons	54..389		

Seq. No.	30713	Seq. ID	OJ990129_01.9917.C31
Gene No.	63487	Strand	-
Start	3081	End	3180
Name	OJ990129_01.9917.C31.o2.np	Method	AAT/NAP
Start	3081	End	3180
GI	1708424	Score	36
Exons	3081..3180		
GI Descrip.	ISOFLAVONE REDUCTASE HOMOLOG gi|1230614 (U48590) isoflavone reductase-like protein [Lupinus albus]		

Seq. No.	30713	Seq. ID	OJ990129_01.9917.C31
Gene No.	63488	Strand	-
Start	7488	End	10168
Name	OJ990129_01.9917.C31.o1.tc	Method	TBLASTX:Cress
Start	37	End	3181
GI	none	Score	105
Exons	37..144, 54..380, 220..330, 3088..3180, 3089..3181		

Seq. No.	30713	Seq. ID	OJ990129_01.9917.C31
Gene No.	63488	Strand	-
Start	7488	End	10168
Name	OJ990129_01.9917.C31.o1.ts	Method	TBLASTX:Soybean
Start	51	End	3180
GI	none	Score	85
Exons	51..386, 52..144, 220..330, 3088..3180		

Seq. No.	30713	Seq. ID	OJ990129_01.9917.C31
Gene No.	63488	Strand	-
Start	7488	End	10168

Name	OJ990129_01.9917.C31.o1.tm	Method	TBLASTX:Maize
Start	54	End	3180
GI	none	Score	232
Exons	54..407, 55..327, 3088..3180		

Seq. No.	30713	Seq. ID	OJ990129_01.9917.C31
Gene No.	63488	Strand	-
Start	7488	End	10168
Name	OJ990129_01.9917.C31.o2.tm	Method	TBLASTX:Maize
Start	4592	End	4742
GI	none	Score	200
Exons	4592..4711, 4593..4709, 4596..4742		

Seq. No.	30713	Seq. ID	OJ990129_01.9917.C31
Gene No.	63488	Strand	-
Start	7488	End	10168
Name	OJ990129_01.9917.C31.o3.gs	Method	GENSCAN
Start	7488	End	10160
GI	none	Score	.62
Exons	7488..8402, 9978..10160		

Seq. No.	30713	Seq. ID	OJ990129_01.9917.C31
Gene No.	63488	Strand	-
Start	7488	End	10168
Name	OJ990129_01.9917.C31.o1.tw	Method	TBLASTX:Wheat
Start	7905	End	8258
GI	none	Score	194
Exons	7905..8258		

Seq. No.	30713	Seq. ID	OJ990129_01.9917.C31
Gene No.	63488	Strand	-
Start	7488	End	10168
Name	OJ990129_01.9917.C31.o5.np	Method	AAT/NAP
Start	8145	End	10168
GI	5852181	Score	144
Exons	8145..8419, 8578..8713, 10140..10168		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	30714	Seq. ID	OJ990129_01.9917.C32
Gene No.	63489	Strand	+
Start	3186	End	6538
Name	OJ990129_01.9917.C32.o1.np	Method	AAT/NAP
Start	3186	End	6538
GI	2262101	Score	98
Exons	3186..3308, 5365..5451, 6433..6538		
GI Descrip.	(AC002343) kinesin heavy chain isolog [Arabidopsis thaliana]		

Seq. No.	30714	Seq. ID	OJ990129_01.9917.C32
Gene No.	63490	Strand	+
Start	9311	End	13736
Name	OJ990129_01.9917.C32.o5.np	Method	AAT/NAP
Start	9311	End	12633
GI	6721512	Score	78
Exons	9311..9338, 10854..10937, 11187..11334, 12614..12633		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	30714	Seq. ID	OJ990129_01.9917.C32

Gene No.	63490	Strand	+
Start	9311	End	13736
Name	OJ990129_01.9917.C32.o3.gs	Method	GENSCAN
Start	11525	End	12085
GI	none	Score	.45
Exons	11525..11723, 11817..12085		

Seq. No.	30714	Seq. ID	OJ990129_01.9917.C32
Gene No.	63490	Strand	+
Start	9311	End	13736
Name	OJ990129_01.9917.C32.o6.np	Method	AAT/NAP
Start	11713	End	13736
GI	6721512	Score	45
Exons	11713..11745, 13653..13736		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	30714	Seq. ID	OJ990129_01.9917.C32
Gene No.	63491	Strand	+
Start	14468	End	19367
Name	OJ990129_01.9917.C32.o4.gs	Method	GENSCAN
Start	14468	End	16688
GI	none	Score	.58
Exons	14468..14624, 14761..14886, 15124..16008, 16104..16354, 16446..16688		

Seq. No.	30714	Seq. ID	OJ990129_01.9917.C32
Gene No.	63491	Strand	+
Start	14468	End	19367
Name	OJ990129_01.9917.C32.o7.np	Method	AAT/NAP
Start	15797	End	19367
GI	6466937	Score	645
Exons	15797..15817, 17657..19367		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	30714	Seq. ID	OJ990129_01.9917.C32
Gene No.	63491	Strand	+
Start	14468	End	19367
Name	OJ990129_01.9917.C32.o6.gs	Method	GENSCAN
Start	18027	End	19197
GI	none	Score	.7
Exons	18027..18152, 18188..18292, 18698..18870, 18911..19197		

Seq. No.	30714	Seq. ID	OJ990129_01.9917.C32
Gene No.	63492	Strand	-
Start	4014	End	6226
Name	OJ990129_01.9917.C32.o1.gs	Method	GENSCAN
Start	4014	End	6226
GI	none	Score	.41
Exons	4014..4319, 4469..4867, 5497..5576, 5851..6226		

Seq. No.	30714	Seq. ID	OJ990129_01.9917.C32
Gene No.	63493	Strand	-
Start	8540	End	11135
Name	OJ990129_01.9917.C32.o4.np	Method	AAT/NAP
Start	8540	End	11135
GI	1708424	Score	354

Exons	8540..8700, 8955..9157, 11100..11135		
GI Descrip.	ISOFLAVONE REDUCTASE HOMOLOG gi|1230614 (U48590) isoflavone reductase-like protein [Lupinus albus]		
Seq. No.	30714	Seq. ID	OJ990129_01.9917.C32
Gene No.	63494	Strand	-
Start	17104	End	17899
Name	OJ990129_01.9917.C32.o2.tm	Method	TBLASTX:Maize
Start	4290	End	4786
GI	none	Score	87
Exons	4290..4394, 4472..4786, 4488..4697		
Seq. No.	30714	Seq. ID	OJ990129_01.9917.C32
Gene No.	63494	Strand	-
Start	17104	End	17899
Name	OJ990129_01.9917.C32.o3.ts	Method	TBLASTX:Soybean
Start	8534	End	8698
GI	none	Score	87
Exons	8534..8698, 8559..8684		
Seq. No.	30714	Seq. ID	OJ990129_01.9917.C32
Gene No.	63494	Strand	-
Start	17104	End	17899
Name	OJ990129_01.9917.C32.o1.tc	Method	TBLASTX:Cress
Start	8537	End	9168
GI	none	Score	111
Exons	8537..8605, 8594..8683, 8965..9168, 8966..9157		
Seq. No.	30714	Seq. ID	OJ990129_01.9917.C32
Gene No.	63494	Strand	-
Start	17104	End	17899
Name	OJ990129_01.9917.C32.o4.tm	Method	TBLASTX:Maize
Start	8537	End	8695
GI	none	Score	108
Exons	8537..8665, 8537..8695, 8559..8693		
Seq. No.	30714	Seq. ID	OJ990129_01.9917.C32
Gene No.	63494	Strand	-
Start	17104	End	17899
Name	OJ990129_01.9917.C32.o3.tm	Method	TBLASTX:Maize
Start	8951	End	9159
GI	none	Score	196
Exons	8951..9151, 8952..9146, 8953..9159		
Seq. No.	30714	Seq. ID	OJ990129_01.9917.C32
Gene No.	63494	Strand	-
Start	17104	End	17899
Name	OJ990129_01.9917.C32.o1.ts	Method	TBLASTX:Soybean
Start	8956	End	9159
GI	none	Score	125
Exons	8956..9159, 8957..9154, 9060..9155, 9076..9159		
Seq. No.	30714	Seq. ID	OJ990129_01.9917.C32
Gene No.	63494	Strand	-
Start	17104	End	17899
Name	OJ990129_01.9917.C32.o5.gs	Method	GENSCAN
Start	17104	End	17899

GI	none	Score	.68
Exons	17104..17122, 17241..17899		
Seq. No.	30714	Seq. ID	OJ990129_01.9917.C32
Gene No.	63495	Strand	
Start	18377	End	18673
Name	OJ990129_01.9917.C32.o5.tm	Method	TBLASTX:Maize
Start	18377	End	18673
GI	none	Score	187
Exons	18377..18673, 18526..18654		
Seq. No.	30714	Seq. ID	OJ990129_01.9917.C32
Gene No.	63496	Strand	
Start	18866	End	19367
Name	OJ990129_01.9917.C32.o1.tm	Method	TBLASTX:Maize
Start	18866	End	19304
GI	none	Score	426
Exons	18866..19300, 18879..19304		
Seq. No.	30714	Seq. ID	OJ990129_01.9917.C32
Gene No.	63496	Strand	
Start	18866	End	19367
Name	OJ990129_01.9917.C32.o1.tw	Method	TBLASTX:Wheat
Start	18927	End	19367
GI	none	Score	355
Exons	18927..19367, 19007..19351		
Seq. No.	30714	Seq. ID	OJ990129_01.9917.C32
Gene No.	63496	Strand	
Start	18866	End	19367
Name	OJ990129_01.9917.C32.o2.ts	Method	TBLASTX:Soybean
Start	18942	End	19277
GI	none	Score	221
Exons	18942..19277		
Seq. No.	30715	Seq. ID	OJ990129_01.9917.C33
Gene No.	63497	Strand	+
Start	1	End	4862
Name	OJ990129_01.9917.C33.o1.np	Method	AAT/NAP
Start	1	End	3014
GI	6466937	Score	1644
Exons	1..2637, 2932..3014		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	30715	Seq. ID	OJ990129_01.9917.C33
Gene No.	63497	Strand	+
Start	1	End	4862
Name	OJ990129_01.9917.C33.o1.gs	Method	GENSCAN
Start	744	End	4770
GI	none	Score	.59
Exons	744..1065, 1169..1759, 2049..2102, 2223..2496, 2901..2995, 3163..3338, 3358..3474, 4666..4770		
Seq. No.	30715	Seq. ID	OJ990129_01.9917.C33
Gene No.	63497	Strand	+
Start	1	End	4862

Name	OJ990129_01.9917.C33.o1.gp	Method	AAT/GAP
Start	2903	End	3480
GI	29362_1.R1084	Score	602
Exons	2903..2995, 3163..3284, 3358..3480		
GI Descrip.	'2880043 1.0e-30 (AC002340) putative 3-hydroxyisobutyryl-coenzyme A hydrolase [Arabidopsis thaliana]'		

Seq. No.	30715	Seq. ID	OJ990129_01.9917.C33
Gene No.	63497	Strand	+
Start	1	End	4862
Name	OJ990129_01.9917.C33.o2.gp	Method	AAT/GAP
Start	4360	End	4862
GI	none	Score	779
Exons	4360..4862		

Seq. No.	30715	Seq. ID	OJ990129_01.9917.C33
Gene No.	63498	Strand	+
Start	4836	End	4963
Name	OJ990129_01.9917.C33.o3.tm	Method	TBLASTX:Maize
Start	1	End	412
GI	none	Score	414
Exons	1..114, 2..412, 163..372		

Seq. No.	30715	Seq. ID	OJ990129_01.9917.C33
Gene No.	63498	Strand	+
Start	4836	End	4963
Name	OJ990129_01.9917.C33.o1.tw	Method	TBLASTX:Wheat
Start	2	End	358
GI	none	Score	323
Exons	2..358, 4..354		

Seq. No.	30715	Seq. ID	OJ990129_01.9917.C33
Gene No.	63498	Strand	+
Start	4836	End	4963
Name	OJ990129_01.9917.C33.o2.ts	Method	TBLASTX:Soybean
Start	322	End	662
GI	none	Score	205
Exons	322..534, 335..595, 600..662		

Seq. No.	30715	Seq. ID	OJ990129_01.9917.C33
Gene No.	63498	Strand	+
Start	4836	End	4963
Name	OJ990129_01.9917.C33.o4.tw	Method	TBLASTX:Wheat
Start	407	End	809
GI	none	Score	123
Exons	407..604, 600..809, 602..775		

Seq. No.	30715	Seq. ID	OJ990129_01.9917.C33
Gene No.	63498	Strand	+
Start	4836	End	4963
Name	OJ990129_01.9917.C33.o2.tm	Method	TBLASTX:Maize
Start	434	End	1016
GI	none	Score	137
Exons	434..595, 600..1016, 602..943		

Seq. No.	30715	Seq. ID	OJ990129_01.9917.C33
Gene No.	63498	Strand	+

Start	4836	End	4963
Name	OJ990129_01.9917.C33.o3.ts	Method	TBLASTX:Soybean
Start	717	End	962
GI	none	Score	198
Exons	717..962		

Seq. No.	30715	Seq. ID	OJ990129_01.9917.C33
Gene No.	63498	Strand	+
Start	4836	End	4963
Name	OJ990129_01.9917.C33.o2.tw	Method	TBLASTX:Wheat
Start	1207	End	1550
GI	none	Score	302
Exons	1207..1548, 1216..1521, 1290..1550		

Seq. No.	30715	Seq. ID	OJ990129_01.9917.C33
Gene No.	63498	Strand	+
Start	4836	End	4963
Name	OJ990129_01.9917.C33.o1.tm	Method	TBLASTX:Maize
Start	1381	End	2014
GI	none	Score	483
Exons	1381..1920, 1468..1908, 1731..1919, 1918..1995, 1919..2014, 1919..2014		

Seq. No.	30715	Seq. ID	OJ990129_01.9917.C33
Gene No.	63498	Strand	+
Start	4836	End	4963
Name	OJ990129_01.9917.C33.o1.ts	Method	TBLASTX:Soybean
Start	1402	End	1788
GI	none	Score	349
Exons	1402..1788, 1455..1787		

Seq. No.	30715	Seq. ID	OJ990129_01.9917.C33
Gene No.	63498	Strand	+
Start	4836	End	4963
Name	OJ990129_01.9917.C33.o3.tw	Method	TBLASTX:Wheat
Start	1603	End	1875
GI	none	Score	226
Exons	1603..1875, 1605..1664, 1722..1871		

Seq. No.	30715	Seq. ID	OJ990129_01.9917.C33
Gene No.	63498	Strand	+
Start	4836	End	4963
Name	OJ990129_01.9917.C33.o4.tm	Method	TBLASTX:Maize
Start	2093	End	2590
GI	none	Score	67
Exons	2093..2203, 2236..2346, 2237..2398, 2429..2590		

Seq. No.	30715	Seq. ID	OJ990129_01.9917.C33
Gene No.	63498	Strand	+
Start	4836	End	4963
Name	OJ990129_01.9917.C33.o5.tw	Method	TBLASTX:Wheat
Start	2237	End	2467
GI	none	Score	185
Exons	2237..2467		

Seq. No.	30715	Seq. ID	OJ990129_01.9917.C33
Gene No.	63498	Strand	+

Start	4836	End	4963
Name	OJ990129_01.9917.C33.o3.gp	Method	AAT/GAP
Start	4836	End	4963
GI	none	Score	166
Exons	4836..4963		

Seq. No.	30716	Seq. ID	OJ990129_01.9917.C34
Gene No.	63499	Strand	+
Start	716	End	3136
Name	OJ990129_01.9917.C34.o1.gs	Method	GENSCAN
Start	716	End	3136
GI	none	Score	.76
Exons	716..796, 1327..1407, 1534..1602, 2057..2120, 2318..2397, 2494..2577, 2978..3136		

Seq. No.	30716	Seq. ID	OJ990129_01.9917.C34
Gene No.	63499	Strand	+
Start	716	End	3136
Name	OJ990129_01.9917.C34.o1.np	Method	AAT/NAP
Start	1309	End	2842
GI	2880043	Score	380
Exons	1309..1407, 1534..1602, 2057..2125, 2323..2397, 2494..2577, 2748..2842		
GI Descrip.	(AC002340) 3-hydroxyisobutyryl-coenzyme A hydrolase [Arabidopsis thaliana]		

Seq. No.	30716	Seq. ID	OJ990129_01.9917.C34
Gene No.	63499	Strand	+
Start	716	End	3136
Name	OJ990129_01.9917.C34.o1.tm	Method	TBLASTX:Maize
Start	1316	End	2837
GI	none	Score	81
Exons	1316..1399, 1327..1410, 1327..1407, 1540..1602, 1546..1602, 2036..2116, 2048..2116, 2056..2124, 2316..2399, 2316..2414, 2317..2415, 2490..2597, 2493..2612, 2738..2836, 2748..2837		

Seq. No.	30716	Seq. ID	OJ990129_01.9917.C34
Gene No.	63499	Strand	+
Start	716	End	3136
Name	OJ990129_01.9917.C34.o1.gp	Method	AAT/GAP
Start	1317	End	2397
GI	29362_1.R1084	Score	526
Exons	1317..1407, 1534..1602, 2057..2120, 2318..2397		
GI Descrip.	'2880043 1.0e-30 (AC002340) putative 3-hydroxyisobutyryl-coenzyme A hydrolase [Arabidopsis thaliana]'		

Seq. No.	30716	Seq. ID	OJ990129_01.9917.C34
Gene No.	63499	Strand	+
Start	716	End	3136
Name	OJ990129_01.9917.C34.o1.ts	Method	TBLASTX:Soybean
Start	1324	End	2837
GI	none	Score	75
Exons	1324..1410, 2054..2122, 2056..2121, 2316..2399, 2322..2414, 2323..2415, 2493..2597, 2494..2598, 2747..2836, 2748..2837		

Seq. No.	30716	Seq. ID	OJ990129_01.9917.C34
Gene No.	63499	Strand	+

Start	716	End	3136
Name	OJ990129_01.9917.C34.o2.gp	Method	AAT/GAP
Start	2477	End	2836
GI	12453_1.R1084	Score	272
Exons	2477..2577, 2748..2836		
GI Descrip.	'6014701/gb|AAF01467.1|AF190450_1 1.0e-91 (AF190450) enoyl-CoA-hydratase [Avicennia marina]'		

Seq. No.	30717	Seq. ID	OJ990129_01.9917.C35
Gene No.	63500	Strand	+
Start	1	End	5450
Name	OJ990129_01.9917.C35.o1.np	Method	AAT/NAP
Start	1	End	1667
GI	4680502	Score	139
Exons	1..280, 1527..1667		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	30717	Seq. ID	OJ990129_01.9917.C35
Gene No.	63500	Strand	+
Start	1	End	5450
Name	OJ990129_01.9917.C35.o1.gs	Method	GENSCAN
Start	151	End	5021
GI	none	Score	.78
Exons	151..214, 593..792, 859..980, 1698..1836, 1916..2101, 2570..2647, 4557..4658, 4738..4779, 4884..5021		

Seq. No.	30717	Seq. ID	OJ990129_01.9917.C35
Gene No.	63500	Strand	+
Start	1	End	5450
Name	OJ990129_01.9917.C35.o2.np	Method	AAT/NAP
Start	549	End	5018
GI	6014701	Score	518
Exons	549..678, 859..980, 1776..1836, 1916..2014, 4557..4658, 4738..4779, 4884..5018		
GI Descrip.	(AF190450) enoyl-CoA-hydratase [Avicennia marina]		

Seq. No.	30717	Seq. ID	OJ990129_01.9917.C35
Gene No.	63500	Strand	+
Start	1	End	5450
Name	OJ990129_01.9917.C35.o1.gp	Method	AAT/GAP
Start	586	End	5450
GI	12453_1.R1084	Score	1988
Exons	586..678, 859..980, 1776..1836, 1916..2014, 4557..4658, 4738..4779, 4884..5450		
GI Descrip.	'6014701/gb|AAF01467.1|AF190450_1 1.0e-91 (AF190450) enoyl-CoA-hydratase [Avicennia marina]'		

Seq. No.	30717	Seq. ID	OJ990129_01.9917.C35
Gene No.	63501	Strand	-
Start	5658	End	7048
Name	OJ990129_01.9917.C35.o1.tm	Method	TBLASTX:Maize
Start	586	End	4917
GI	none	Score	115
Exons	586..678, 586..666, 587..724, 588..695, 874..981, 886..981, 1774..1857, 1774..1836, 1781..1837, 1904..2017, 1915..2013, 4574..4657, 4575..4658, 4575..4658, 4722..4775, 4729..4779, 4732..4779, 4880..4915, 4881..4916, 4881..4916, 4882..4917		

Seq. No.	30717	Seq. ID	OJ990129_01.9917.C35
Gene No.	63501	Strand	-
Start	5658	End	7048
Name	OJ990129_01.9917.C35.o1.tw	Method	TBLASTX:Wheat
Start	4556	End	5039
GI	none	Score	173
Exons	4556..4657, 4557..4658, 4557..4658, 4729..4779, 4731..4778, 4881..5039, 4881..5027, 4883..5038		

Seq. No.	30717	Seq. ID	OJ990129_01.9917.C35
Gene No.	63501	Strand	-
Start	5658	End	7048
Name	OJ990129_01.9917.C35.o2.gs	Method	GENSCAN
Start	5658	End	6849
GI	none	Score	.87
Exons	5658..5710, 6531..6849		

Seq. No.	30717	Seq. ID	OJ990129_01.9917.C35
Gene No.	63501	Strand	-
Start	5658	End	7048
Name	OJ990129_01.9917.C35.o3.np	Method	AAT/NAP
Start	5858	End	7048
GI	2130159	Score	284
Exons	5858..6053, 7015..7048		
GI Descrip.	hypothetical protein 85 - maize chloroplast gi|902275|emb|CAA60340| (X86563) ORF85 [Zea mays] gi|902296|emb|CAA60360| (X86563) ORF85 [Zea mays]		

Seq. No.	30718	Seq. ID	OJ990129_01.9917.C36
Gene No.	63502	Strand	+
Start	559	End	745
Name	OJ990129_01.9917.C36.o1.gs	Method	GENSCAN
Start	559	End	745
GI	none	Score	.59
Exons	559..745		

Seq. No.	30718	Seq. ID	OJ990129_01.9917.C36
Gene No.	63503	Strand	-
Start	1898	End	2849
Name	OJ990129_01.9917.C36.o2.gs	Method	GENSCAN
Start	1898	End	2849
GI	none	Score	.79
Exons	1898..2062, 2796..2849		

Seq. No.	30718	Seq. ID	OJ990129_01.9917.C36
Gene No.	63504	Strand	-
Start	3685	End	3765
Name	OJ990129_01.9917.C36.o1.gp	Method	AAT/GAP
Start	3685	End	3765
GI	LIB3477-003-P1-K1-E9	Score	111
Exons	3685..3765		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	30719	Seq. ID	OJ990129_01.9917.C37

Gene No.	63505	Strand	-
Start	735	End	1077
Name	OJ990129_01.9917.C37.o1.gp	Method	AAT/GAP
Start	554	End	1077
GI	86248_1.R1084	Score	732
Exons	554..889, 988..1077		
GI Descrip.	'2983814 1.0e-18 (AE000739) tryptophan synthase beta subunit [Aquifex aeolicus]'		

Seq. No.	30719	Seq. ID	OJ990129_01.9917.C37
Gene No.	63505	Strand	-
Start	735	End	1077
Name	OJ990129_01.9917.C37.o1.gs	Method	GENSCAN
Start	735	End	889
GI	none	Score	.54
Exons	735..889		

Seq. No.	30720	Seq. ID	OJ990129_01.9917.C38
Gene No.	63506	Strand	+
Start	125	End	227
Name	OJ990129_01.9917.C38.o1.gp	Method	AAT/GAP
Start	125	End	227
GI	none	Score	164
Exons	125..227		

Seq. No.	30720	Seq. ID	OJ990129_01.9917.C38
Gene No.	63507	Strand	+
Start	195	End	366
Name	OJ990129_01.9917.C38.o1.gs	Method	GENSCAN
Start	195	End	366
GI	none	Score	.6
Exons	195..366		

Seq. No.	30720	Seq. ID	OJ990129_01.9917.C38
Gene No.	63508	Strand	
Start	715	End	1215
Name	OJ990129_01.9917.C38.o1.tm	Method	TBLASTX:Maize
Start	715	End	1215
GI	none	Score	72
Exons	715..873, 718..867, 721..870, 722..868, 725..880, 730..882, 730..879, 817..909, 870..962, 870..962, 871..963, 871..963, 872..970, 898..1050, 898..1050, 906..1064, 907..1053, 912..1055, 913..1065, 915..1055, 937..1113, 944..1072, 946..1083, 946..1065, 950..1054, 1075..1212, 1075..1215, 1078..1137, 1105..1170		

Seq. No.	30721	Seq. ID	OJ990129_01.9917.C39
Gene No.	63509	Strand	+
Start	265	End	790
Name	OJ990129_01.9917.C39.o1.gs	Method	GENSCAN
Start	265	End	790
GI	none	Score	.58
Exons	265..325, 606..790		

Seq. No.	30721	Seq. ID	OJ990129_01.9917.C39
Gene No.	63510	Strand	+
Start	2147	End	4164

Name	OJ990129_01.9917.C39.o2.gs	Method	GENSCAN
Start	2147	End	4164
GI	none	Score	.67
Exons	2147..2220, 4014..4164		

Seq. No.	30721	Seq. ID	OJ990129_01.9917.C39
Gene No.	63511	Strand	+
Start	4397	End	4491
Name	OJ990129_01.9917.C39.o2.np	Method	AAT/NAP
Start	4397	End	4491
GI	5852084	Score	70
Exons	4397..4491		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	30721	Seq. ID	OJ990129_01.9917.C39
Gene No.	63512	Strand	+
Start	7819	End	10839
Name	OJ990129_01.9917.C39.o4.gs	Method	GENSCAN
Start	7819	End	8779
GI	none	Score	.85
Exons	7819..8154, 8513..8779		

Seq. No.	30721	Seq. ID	OJ990129_01.9917.C39
Gene No.	63512	Strand	+
Start	7819	End	10839
Name	OJ990129_01.9917.C39.o3.np	Method	AAT/NAP
Start	7825	End	10839
GI	1708424	Score	624
Exons	7825..8154, 9971..10036, 10222..10396, 10790..10839		
GI Descrip.	ISOFLAVONE REDUCTASE HOMOLOG gi|1230614 (U48590) isoflavone reductase-like protein [Lupinus albus]		

Seq. No.	30721	Seq. ID	OJ990129_01.9917.C39
Gene No.	63513	Strand	-
Start	2134	End	3994
Name	OJ990129_01.9917.C39.o1.np	Method	AAT/NAP
Start	2134	End	3994
GI	5852093	Score	61
Exons	2134..2152, 3860..3994		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	30721	Seq. ID	OJ990129_01.9917.C39
Gene No.	63514	Strand	-
Start	4794	End	5859
Name	OJ990129_01.9917.C39.o3.gs	Method	GENSCAN
Start	4794	End	5859
GI	none	Score	.87
Exons	4794..4904, 5857..5859		

Seq. No.	30721	Seq. ID	OJ990129_01.9917.C39
Gene No.	63515	Strand	-
Start	9928	End	10401
Name	OJ990129_01.9917.C39.o1.tm	Method	TBLASTX:Maize
Start	7812	End	10347
GI	none	Score	123
Exons	7812..7979, 7815..8153, 7816..8154, 9968..10048, 9968..10042, 9970..10047, 10216..10347, 10219..10338		

Seq. No.	30721	Seq. ID	OJ990129_01.9917.C39
Gene No.	63515	Strand	-
Start	9928	End	10401
Name	OJ990129_01.9917.C39.o1.ts	Method	TBLASTX:Soybean
Start	7821	End	8169
GI	none	Score	389
Exons	7821..7988, 7822..8169, 8049..8156		

Seq. No.	30721	Seq. ID	OJ990129_01.9917.C39
Gene No.	63515	Strand	-
Start	9928	End	10401
Name	OJ990129_01.9917.C39.o1.tc	Method	TBLASTX:Cress
Start	7827	End	10021
GI	none	Score	373
Exons	7827..7988, 7828..8154, 8049..8144, 9968..10021		

Seq. No.	30721	Seq. ID	OJ990129_01.9917.C39
Gene No.	63515	Strand	-
Start	9928	End	10401
Name	OJ990129_01.9917.C39.o5.gs	Method	GENSCAN
Start	9928	End	10028
GI	none	Score	.53
Exons	9928..10028		

Seq. No.	30721	Seq. ID	OJ990129_01.9917.C39
Gene No.	63515	Strand	-
Start	9928	End	10401
Name	OJ990129_01.9917.C39.o2.ts	Method	TBLASTX:Soybean
Start	9968	End	10395
GI	none	Score	122
Exons	9968..10048, 9968..10048, 9970..10056, 10216..10395, 10219..10338		

Seq. No.	30721	Seq. ID	OJ990129_01.9917.C39
Gene No.	63515	Strand	-
Start	9928	End	10401
Name	OJ990129_01.9917.C39.o2.tc	Method	TBLASTX:Cress
Start	10216	End	10401
GI	none	Score	241
Exons	10216..10401, 10228..10401		

Seq. No.	30722	Seq. ID	OJ990129_01.9917.C40
Gene No.	63516	Strand	+
Start	96	End	581
Name	OJ990129_01.9917.C40.o1.gs	Method	GENSCAN
Start	96	End	581
GI	none	Score	.53
Exons	96..227, 229..581		

Seq. No.	30722	Seq. ID	OJ990129_01.9917.C40
Gene No.	63517	Strand	-
Start	1	End	91
Name	OJ990129_01.9917.C40.o1.gp	Method	AAT/GAP
Start	1	End	91
GI	none	Score	143
Exons	1..91		

Seq. No.	30723	Seq. ID	OJ990129_01.9917.C42
Gene No.	63518	Strand	+
Start	262	End	380
Name	OJ990129_01.9917.C42.o1.gp	Method	AAT/GAP
Start	262	End	380
GI	LIB3477-003-P1-K1-E9	Score	176
Exons	262..380		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	30724	Seq. ID	OJ990709_07.9919.C1
Gene No.	63519	Strand	-
Start	1	End	593
Name	OJ990709_07.9919.C1.o1.np	Method	AAT/NAP
Start	1	End	593
GI	6815062	Score	1055
Exons	1..593		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	30725	Seq. ID	OJ990709_07.9919.C2
Gene No.	63520	Strand	+
Start	148	End	5170
Name	OJ990709_07.9919.C2.o1.gs	Method	GENSCAN
Start	148	End	3236
GI	none	Score	.54
Exons	148..413, 1469..1593, 1657..1783, 2095..2167, 2202..2317, 2539..2677, 3162..3236		

Seq. No.	30725	Seq. ID	OJ990709_07.9919.C2
Gene No.	63520	Strand	+
Start	148	End	5170
Name	OJ990709_07.9919.C2.o1.np	Method	AAT/NAP
Start	2087	End	4550
GI	5922623	Score	215
Exons	2087..2194, 2573..2692, 2860..2936, 4512..4550		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	30725	Seq. ID	OJ990709_07.9919.C2
Gene No.	63520	Strand	+
Start	148	End	5170
Name	OJ990709_07.9919.C2.o2.gs	Method	GENSCAN
Start	3649	End	5146
GI	none	Score	.9
Exons	3649..4910, 5005..5146		

Seq. No.	30725	Seq. ID	OJ990709_07.9919.C2
Gene No.	63520	Strand	+
Start	148	End	5170
Name	OJ990709_07.9919.C2.o2.np	Method	AAT/NAP
Start	3649	End	5170
GI	6907089	Score	2380

Exons	3649..4910, 5005..5170		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63521	Strand	+
Start	167	End	1404
Name	OJ990709_07.9919.C3.o1.gs	Method	GENSCAN
Start	167	End	1404
GI	none	Score	.89
Exons	167..627, 676..1000, 1060..1404		
Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63522	Strand	+
Start	8762	End	9611
Name	OJ990709_07.9919.C3.o2.np	Method	AAT/NAP
Start	8762	End	9611
GI	5922623	Score	213
Exons	8762..8869, 9248..9367, 9535..9611		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63523	Strand	+
Start	11729	End	11954
Name	OJ990709_07.9919.C3.o3.gs	Method	GENSCAN
Start	11729	End	11954
GI	none	Score	.46
Exons	11729..11820, 11822..11954		
Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63524	Strand	+
Start	12228	End	15897
Name	OJ990709_07.9919.C3.o3.np	Method	AAT/NAP
Start	12228	End	15897
GI	5922620	Score	724
Exons	12228..12365, 12698..12722, 13359..13396, 13689..13847, 13895..14071, 14108..14152, 14369..14408, 15767..15897		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63525	Strand	+
Start	16177	End	16325
Name	OJ990709_07.9919.C3.o5.gs	Method	GENSCAN
Start	16177	End	16325
GI	none	Score	.85
Exons	16177..16219, 16237..16325		
Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63526	Strand	+
Start	16915	End	17598
Name	OJ990709_07.9919.C3.o6.gs	Method	GENSCAN
Start	16915	End	17598

GI	none	Score	.83
Exons	16915..17598		

Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63527	Strand	+
Start	20168	End	20268
Name	OJ990709_07.9919.C3.o2.gp	Method	AAT/GAP
Start	20168	End	20268
GI	LIB3477-003-P1-K1-E9	Score	121
Exons	20168..20268		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63528	Strand	+
Start	21532	End	22032
Name	OJ990709_07.9919.C3.o7.gs	Method	GENSCAN
Start	21532	End	22032
GI	none	Score	.44
Exons	21532..22032		

Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63529	Strand	-
Start	2528	End	9249
Name	OJ990709_07.9919.C3.o2.gs	Method	GENSCAN
Start	2528	End	9249
GI	none	Score	.52
Exons	2528..5044, 5211..6257, 6321..8729, 8759..8863, 9193..9249		

Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63529	Strand	-
Start	2528	End	9249
Name	OJ990709_07.9919.C3.o1.np	Method	AAT/NAP
Start	2531	End	8179
GI	6498441	Score	6982
Exons	2531..2812, 2906..4303, 4475..4864, 5058..5391, 5566..5700, 5884..6257, 6321..6784, 7115..8179		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63530	Strand	-
Start	16036	End	17380
Name	OJ990709_07.9919.C3.o4.np	Method	AAT/NAP
Start	16036	End	17380
GI	6630699	Score	72
Exons	16036..16115, 17359..17380		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63531	Strand	-
Start	27684	End	32089
Name	OJ990709_07.9919.C3.o5.tm	Method	TBLASTX:Maize

Start	2525	End	2671
GI	none	Score	126
Exons	2525..2671, 2532..2666		

Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63531	Strand	-
Start	27684	End	32089
Name	OJ990709_07.9919.C3.o6.tw	Method	TBLASTX:Wheat
Start	2540	End	3142
GI	none	Score	77
Exons	2540..2665, 2544..2666, 2693..2734, 2858..3142, 2859..3137		

Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63531	Strand	-
Start	27684	End	32089
Name	OJ990709_07.9919.C3.o4.tw	Method	TBLASTX:Wheat
Start	3143	End	3524
GI	none	Score	168
Exons	3143..3523, 3174..3422, 3182..3520, 3468..3524		

Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63531	Strand	-
Start	27684	End	32089
Name	OJ990709_07.9919.C3.o3.tm	Method	TBLASTX:Maize
Start	3329	End	3661
GI	none	Score	93
Exons	3329..3535, 3338..3661, 3351..3632		

Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63531	Strand	-
Start	27684	End	32089
Name	OJ990709_07.9919.C3.o8.tw	Method	TBLASTX:Wheat
Start	3854	End	4166
GI	none	Score	67
Exons	3854..4114, 3990..4166		

Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63531	Strand	-
Start	27684	End	32089
Name	OJ990709_07.9919.C3.o2.ts	Method	TBLASTX:Soybean
Start	3914	End	4480
GI	5666795	Score	68
Exons	3914..4114, 4169..4306, 4382..4480		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63531	Strand	-
Start	27684	End	32089
Name	OJ990709_07.9919.C3.o5.tw	Method	TBLASTX:Wheat
Start	4169	End	7630
GI	none	Score	88
Exons	4169..4318, 4170..4307, 4352..4603, 4353..4538, 4373..4627, 7577..7630		

Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63531	Strand	-
Start	27684	End	32089

Name	OJ990709_07.9919.C3.o1.ts	Method	TBLASTX:Soybean
Start	5229	End	5630
GI	none	Score	90
Exons	5229..5630, 5440..5583		

Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63531	Strand	-
Start	27684	End	32089
Name	OJ990709_07.9919.C3.o2.tw	Method	TBLASTX:Wheat
Start	5259	End	5678
GI	none	Score	265
Exons	5259..5678, 5266..5580		

Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63531	Strand	-
Start	27684	End	32089
Name	OJ990709_07.9919.C3.o2.tm	Method	TBLASTX:Maize
Start	5352	End	5736
GI	none	Score	172
Exons	5352..5735, 5371..5592, 5650..5736		

Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63531	Strand	-
Start	27684	End	32089
Name	OJ990709_07.9919.C3.o1.tm	Method	TBLASTX:Maize
Start	5763	End	6119
GI	none	Score	116
Exons	5763..6068, 5763..6119, 5773..6084		

Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63531	Strand	-
Start	27684	End	32089
Name	OJ990709_07.9919.C3.o1.tw	Method	TBLASTX:Wheat
Start	5787	End	6249
GI	none	Score	222
Exons	5787..6248, 5793..6248, 5794..6249		

Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63531	Strand	-
Start	27684	End	32089
Name	OJ990709_07.9919.C3.o3.ts	Method	TBLASTX:Soybean
Start	5844	End	6209
GI	none	Score	118
Exons	5844..5978, 5985..6209		

Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63531	Strand	-
Start	27684	End	32089
Name	OJ990709_07.9919.C3.o3.tw	Method	TBLASTX:Wheat
Start	6414	End	6900
GI	none	Score	162
Exons	6414..6899, 6445..6705, 6450..6848, 6727..6900		

Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63531	Strand	-
Start	27684	End	32089
Name	OJ990709_07.9919.C3.o7.tw	Method	TBLASTX:Wheat

Start	7638	End	8030
GI	none	Score	95
Exons	7638..7895, 7672..7911, 7878..7976, 7879..7971, 7983..8030		

Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63531	Strand	-
Start	27684	End	32089
Name	OJ990709_07.9919.C3.o4.tm	Method	TBLASTX:Maize
Start	7740	End	8025
GI	none	Score	92
Exons	7740..7988, 7741..8025		

Seq. No.	30726	Seq. ID	OJ990709_07.9919.C3
Gene No.	63531	Strand	-
Start	27684	End	32089
Name	OJ990709_07.9919.C3.o5.np	Method	AAT/NAP
Start	27684	End	32089
GI	6751696	Score	126
Exons	27684..27833, 28018..28257, 28329..28465, 31074..31201, 31289..31488, 31934..32089		
GI Descrip.	(AC018908) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30727	Seq. ID	OJ990709_07.9919.C4
Gene No.	63532	Strand	-
Start	1	End	193
Name	OJ990709_07.9919.C4.o1.np	Method	AAT/NAP
Start	1	End	193
GI	3929365	Score	68
Exons	1..193		
GI Descrip.	RING-INFECTED ERYTHROCYTE SURFACE ANTIGEN gi|102368|pir||S21342 ring-infected erythrocyte surface antigen - Plasmodium falciparum (fragment) gi|9959|emb|CAA38918| (X55124) ring-infected erythrocyte surface antigen [Plasmodium falciparum]		

Seq. No.	30727	Seq. ID	OJ990709_07.9919.C4
Gene No.	63533	Strand	-
Start	110	End	538
Name	OJ990709_07.9919.C4.o1.gs	Method	GENSCAN
Start	110	End	538
GI	none	Score	.53
Exons	110..538		

Seq. No.	30728	Seq. ID	OJ990709_07.9919.C7
Gene No.	63534	Strand	+
Start	148	End	365
Name	OJ990709_07.9919.C7.o1.gs	Method	GENSCAN
Start	148	End	365
GI	none	Score	.96
Exons	148..365		

Seq. No.	30729	Seq. ID	OJ990709_07.9919.C8
Gene No.	63535	Strand	+
Start	844	End	936
Name	OJ990709_07.9919.C8.o1.gp	Method	AAT/GAP
Start	844	End	936
GI	uC-osflcyp022c06b2	Score	142

Exons	844..936		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	30729	Seq. ID	OJ990709_07.9919.C8
Gene No.	63536	Strand	+
Start	1863	End	4567
Name	OJ990709_07.9919.C8.o1.gs	Method	GENSCAN
Start	1863	End	2456
GI	none	Score	.76
Exons	1863..1980, 2323..2456		

Seq. No.	30729	Seq. ID	OJ990709_07.9919.C8
Gene No.	63536	Strand	+
Start	1863	End	4567
Name	OJ990709_07.9919.C8.o2.np	Method	AAT/NAP
Start	1954	End	4567
GI	4539658	Score	80
Exons	1954..2003, 3307..3426, 4420..4567		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	30729	Seq. ID	OJ990709_07.9919.C8
Gene No.	63537	Strand	-
Start	4421	End	4491
Name	OJ990709_07.9919.C8.o2.gs	Method	GENSCAN
Start	4421	End	4491
GI	none	Score	.48
Exons	4421..4491		

Seq. No.	30730	Seq. ID	OJ990709_07.9919.C9
Gene No.	63538	Strand	+
Start	869	End	2474
Name	OJ990709_07.9919.C9.o1.gs	Method	GENSCAN
Start	869	End	2474
GI	none	Score	.48
Exons	869..1050, 1258..1465, 2424..2474		

Seq. No.	30730	Seq. ID	OJ990709_07.9919.C9
Gene No.	63539	Strand	-
Start	3483	End	6801
Name	OJ990709_07.9919.C9.o2.gs	Method	GENSCAN
Start	3483	End	6801
GI	none	Score	.85
Exons	3483..4063, 6789..6801		

Seq. No.	30730	Seq. ID	OJ990709_07.9919.C9
Gene No.	63540	Strand	-
Start	9435	End	11855
Name	OJ990709_07.9919.C9.o3.gs	Method	GENSCAN
Start	9435	End	9899
GI	none	Score	.98
Exons	9435..9899		

Seq. No.	30730	Seq. ID	OJ990709_07.9919.C9
Gene No.	63540	Strand	-
Start	9435	End	11855

Name	OJ990709_07.9919.C9.o1.np	Method	AAT/NAP
Start	9494	End	11855
GI	5922634	Score	72
Exons	9494..9739, 11591..11689, 11763..11855		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	30730	Seq. ID	OJ990709_07.9919.C9
Gene No.	63541	Strand	-
Start	12817	End	15406
Name	OJ990709_07.9919.C9.o4.gs	Method	GENSCAN
Start	12817	End	15406
GI	none	Score	.55
Exons	12817..12895, 13221..13362, 14121..14255, 15226..15406		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63542	Strand	+
Start	1474	End	2154
Name	OJ990709_07.9919.C10.o2.gs	Method	GENSCAN
Start	1474	End	2154
GI	none	Score	.58
Exons	1474..1484, 1803..2154		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63543	Strand	+
Start	8913	End	10337
Name	OJ990709_07.9919.C10.o1.gp	Method	AAT/GAP
Start	8913	End	10337
GI	1275_1.R1084	Score	2773
Exons	8913..10337		
GI Descrip.	'231610/sp|P29790|ATPG_TOBAC 1.0e-135 ATP SYNTHASE GAMMA CHAIN, CHLOROPLAST PRECURSOR >gi_67880_pir__PWNTG H+-transporting ATP synthase (EC 3.6.1.34) gamma chain precursor, chloroplast - common tobacco >gi_19785_emb_CAA45152_ (X63606) ATP synthase (gamma subunit) [Nicotiana tabacum]'		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63544	Strand	+
Start	19009	End	27070
Name	OJ990709_07.9919.C10.o3.np	Method	AAT/NAP
Start	19009	End	23541
GI	4836917	Score	1273
Exons	19009..19147, 21736..23541		
GI Descrip.	(AC007153) 80099 [Arabidopsis thaliana]		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63544	Strand	+
Start	19009	End	27070
Name	OJ990709_07.9919.C10.o6.gs	Method	GENSCAN
Start	21308	End	27070
GI	none	Score	.84
Exons	21308..21574, 21754..23563, 26694..26940, 26972..27070		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63545	Strand	-
Start	9	End	1279

Name	OJ990709_07.9919.C10.o1.gs	Method	GENSCAN
Start	9	End	1279
GI	none	Score	.74
Exons	9..178, 276..401, 894..940, 1140..1279		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63546	Strand	-
Start	3321	End	3809
Name	OJ990709_07.9919.C10.o3.gs	Method	GENSCAN
Start	3321	End	3809
GI	none	Score	.95
Exons	3321..3809		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63547	Strand	-
Start	4670	End	6282
Name	OJ990709_07.9919.C10.o4.gs	Method	GENSCAN
Start	4670	End	6282
GI	none	Score	.46
Exons	4670..4687, 5050..5122, 5998..6111, 6137..6282		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63548	Strand	-
Start	7673	End	20914
Name	OJ990709_07.9919.C10.o5.gs	Method	GENSCAN
Start	7673	End	20914
GI	none	Score	.42
Exons	7673..8397, 8509..8704, 9191..10351, 11415..12038, 12195..12693, 12779..13287, 13756..13820, 15490..15610, 17505..17588, 18334..18584, 19278..19371, 19452..19693, 20596..20914		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63548	Strand	-
Start	7673	End	20914
Name	OJ990709_07.9919.C10.o1.np	Method	AAT/NAP
Start	9167	End	10285
GI	231610	Score	1289
Exons	9167..10285		
GI Descrip.	ATP SYNTHASE GAMMA CHAIN, CHLOROPLAST PRECURSOR gi|67880|pir||PWNTG H+-transporting ATP synthase (EC 3.6.1.34) gamma chain precursor, chloroplast - common tobacco gi|19785|emb|CAA45152| (X63606) ATP synthase (gamma subunit) [Nicotiana tabacum]		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63548	Strand	-
Start	7673	End	20914
Name	OJ990709_07.9919.C10.o2.gp	Method	AAT/GAP
Start	12198	End	12832
GI	none	Score	1032
Exons	12198..12693, 12779..12832		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63548	Strand	-
Start	7673	End	20914
Name	OJ990709_07.9919.C10.o2.np	Method	AAT/NAP
Start	15462	End	19742

GI	3831454	Score	646
Exons	15462..15610, 16638..16724, 17505..17588, 19273..19371, 19452..19742		
GI Descrip.	(AC005700) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63549	Strand	-
Start	26807	End	27133
Name	OJ990709_07.9919.C10.o1.tm	Method	TBLASTX:Maize
Start	9167	End	10247
GI	none	Score	1091
Exons	9167..10144, 9168..10142, 10203..10247		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63549	Strand	-
Start	26807	End	27133
Name	OJ990709_07.9919.C10.o1.ts	Method	TBLASTX:Soybean
Start	9170	End	10141
GI	none	Score	105
Exons	9170..10141, 9171..9257, 9345..9917, 9972..10136		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63549	Strand	-
Start	26807	End	27133
Name	OJ990709_07.9919.C10.o2.tc	Method	TBLASTX:Cress
Start	9173	End	9583
GI	none	Score	79
Exons	9173..9583, 9174..9257, 9345..9572		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63549	Strand	-
Start	26807	End	27133
Name	OJ990709_07.9919.C10.o1.tc	Method	TBLASTX:Cress
Start	9584	End	10141
GI	none	Score	193
Exons	9584..9655, 9656..10141, 9690..9917, 9972..10133		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63549	Strand	-
Start	26807	End	27133
Name	OJ990709_07.9919.C10.o4.ts	Method	TBLASTX:Soybean
Start	11356	End	11528
GI	none	Score	105
Exons	11356..11523, 11358..11528		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63549	Strand	-
Start	26807	End	27133
Name	OJ990709_07.9919.C10.o1.tw	Method	TBLASTX:Wheat
Start	11406	End	11725
GI	none	Score	228
Exons	11406..11621, 11407..11607, 11636..11725		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63549	Strand	-
Start	26807	End	27133
Name	OJ990709_07.9919.C10.o4.tm	Method	TBLASTX:Maize

Start	11494	End	12291
GI	none	Score	48
Exons	11494..11523, 11511..11639, 11523..11645, 11768..11842, 11832..12044, 11835..12041, 11842..12042, 11906..12043, 12180..12290, 12189..12290, 12196..12291		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63549	Strand	-
Start	26807	End	27133
Name	OJ990709_07.9919.C10.o3.ts	Method	TBLASTX:Soybean
Start	12411	End	12672
GI	none	Score	40
Exons	12411..12452, 12412..12450, 12456..12524, 12457..12525, 12525..12590, 12564..12671, 12643..12672		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63549	Strand	-
Start	26807	End	27133
Name	OJ990709_07.9919.C10.o4.tc	Method	TBLASTX:Cress
Start	12829	End	13167
GI	none	Score	67
Exons	12829..13167, 12851..13015, 13056..13091		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63549	Strand	-
Start	26807	End	27133
Name	OJ990709_07.9919.C10.o3.tm	Method	TBLASTX:Maize
Start	12971	End	13560
GI	none	Score	300
Exons	12971..13288, 12973..13293, 13493..13558, 13507..13560, 13507..13557, 13518..13559		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63549	Strand	-
Start	26807	End	27133
Name	OJ990709_07.9919.C10.o2.ts	Method	TBLASTX:Soybean
Start	22018	End	23433
GI	none	Score	38
Exons	22018..22056, 22060..22149, 22111..22569, 22152..22397, 22153..22902, 22305..22880, 22311..22508, 22378..23229, 22480..23301, 22555..23418, 22581..22916, 22584..22889, 22794..23036, 22897..23079, 22951..23022, 23116..23238, 23134..23241, 23194..23292, 23320..23433		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63549	Strand	-
Start	26807	End	27133
Name	OJ990709_07.9919.C10.o3.tc	Method	TBLASTX:Cress
Start	22060	End	23517
GI	none	Score	56
Exons	22060..22137, 22140..22295, 22150..22401, 22153..22227, 22153..22503, 22153..22320, 22206..22508, 22207..22611, 22266..22514, 22309..22530, 22320..22502, 22366..22713, 22438..22641, 22453..22818, 22510..22722, 22522..22917, 22581..22850, 22615..22731, 22636..22842, 22644..22829, 22654..23049, 22674..23033, 22741..22947, 22753..22932, 22786..23127, 22825..23067, 22873..23238, 22888..23130,		

22930..23172, 22966..23337, 23014..23265, 23044..23442,
23170..23382, 23185..23517, 23185..23445, 23197..23265

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63549	Strand	-
Start	26807	End	27133
Name	OJ990709_07.9919.C10.o2.tm	Method	TBLASTX:Maize
Start	22153	End	23478
GI	none	Score	95
Exons	22153..22344, 22297..22695, 22302..22508, 22375..22449, 22402..22803, 22507..22926, 22585..22842, 22611..22841, 22612..23016, 22716..23036, 22717..23118, 22821..23225, 22822..23226, 22822..23226, 22927..23328, 22999..23289, 23032..23433, 23203..23478, 23214..23291, 23218..23292		

Seq. No.	30731	Seq. ID	OJ990709_07.9919.C10
Gene No.	63549	Strand	-
Start	26807	End	27133
Name	OJ990709_07.9919.C10.o4.np	Method	AAT/NAP
Start	26807	End	27133
GI	6815062	Score	276
Exons	26807..26922, 27035..27133		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	30732	Seq. ID	OJ990709_07.9919.C11
Gene No.	63550	Strand	-
Start	231	End	2918
Name	OJ990709_07.9919.C11.o1.gs	Method	GENSCAN
Start	231	End	2888
GI	none	Score	.71
Exons	231..570, 648..746, 828..1173, 1217..1422, 1515..1706, 1783..2180, 2275..2545, 2817..2888		

Seq. No.	30732	Seq. ID	OJ990709_07.9919.C11
Gene No.	63550	Strand	-
Start	231	End	2918
Name	OJ990709_07.9919.C11.o1.np	Method	AAT/NAP
Start	231	End	2918
GI	6815062	Score	3241
Exons	231..570, 648..746, 828..1173, 1217..1422, 1515..1706, 1783..2180, 2275..2545, 2817..2918		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	30732	Seq. ID	OJ990709_07.9919.C11
Gene No.	63550	Strand	-
Start	231	End	2918
Name	OJ990709_07.9919.C11.o1.tm	Method	TBLASTX:Maize
Start	487	End	1951
GI	none	Score	67
Exons	487..585, 828..1124, 1216..1242, 1249..1416, 1268..1366, 1270..1416, 1497..1574, 1584..1625, 1647..1718, 1780..1950, 1787..1951		

Seq. No.	30732	Seq. ID	OJ990709_07.9919.C11
Gene No.	63550	Strand	-
Start	231	End	2918
Name	OJ990709_07.9919.C11.o2.tm	Method	TBLASTX:Maize
Start	1954	End	2437
GI	none	Score	57
Exons	1954..2049, 1958..2053, 2059..2088, 2083..2190, 2105..2191, 2252..2437, 2259..2435		

Seq. No.	30733	Seq. ID	OJ990709_07.9919.C12
Gene No.	63551	Strand	-
Start	1	End	471
Name	OJ990709_07.9919.C12.o1.np	Method	AAT/NAP
Start	1	End	471
GI	6815062	Score	776
Exons	1..471		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	30733	Seq. ID	OJ990709_07.9919.C12
Gene No.	63551	Strand	-
Start	1	End	471
Name	OJ990709_07.9919.C12.o1.tm	Method	TBLASTX:Maize
Start	1	End	430
GI	none	Score	160
Exons	1..252, 8..253, 271..426, 305..430		

Seq. No.	30734	Seq. ID	OJ990709_07.9919.C14
Gene No.	63552	Strand	+
Start	2498	End	6693
Name	OJ990709_07.9919.C14.o2.np	Method	AAT/NAP
Start	2498	End	6693
GI	6554480	Score	62
Exons	2498..2554, 3867..4224, 4252..4419, 4450..4514, 6592..6693		
GI Descrip.	(AC012394) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30734	Seq. ID	OJ990709_07.9919.C14
Gene No.	63552	Strand	+
Start	2498	End	6693
Name	OJ990709_07.9919.C14.o2.gs	Method	GENSCAN
Start	3714	End	4461
GI	none	Score	.89
Exons	3714..3996, 4154..4461		

Seq. No.	30734	Seq. ID	OJ990709_07.9919.C14
Gene No.	63552	Strand	+
Start	2498	End	6693
Name	OJ990709_07.9919.C14.o3.np	Method	AAT/NAP
Start	5302	End	6693
GI	6907088	Score	729
Exons	5302..5439, 5615..5852, 6348..6693		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	30734	Seq. ID	OJ990709_07.9919.C14
Gene No.	63553	Strand	-
Start	118	End	3013

Name	OJ990709_07.9919.C14.o1.np	Method	AAT/NAP
Start	118	End	768
GI	4586038	Score	256
Exons	118..534, 677..768		
GI Descrip.	(AC007109) putative heat shock protein [Arabidopsis thaliana]		

Seq. No.	30734	Seq. ID	OJ990709_07.9919.C14
Gene No.	63553	Strand	-
Start	118	End	3013
Name	OJ990709_07.9919.C14.o1.gs	Method	GENSCAN
Start	244	End	3013
GI	none	Score	.66
Exons	244..544, 684..841, 936..1470, 2594..2750, 2959..3013		

Seq. No.	30734	Seq. ID	OJ990709_07.9919.C14
Gene No.	63554	Strand	-
Start	4484	End	6571
Name	OJ990709_07.9919.C14.o1.tm	Method	TBLASTX:Maize
Start	100	End	528
GI	none	Score	219
Exons	100..204, 217..528		

Seq. No.	30734	Seq. ID	OJ990709_07.9919.C14
Gene No.	63554	Strand	-
Start	4484	End	6571
Name	OJ990709_07.9919.C14.o1.tw	Method	TBLASTX:Wheat
Start	115	End	532
GI	none	Score	46
Exons	115..204, 217..528, 238..402, 458..532		

Seq. No.	30734	Seq. ID	OJ990709_07.9919.C14
Gene No.	63554	Strand	-
Start	4484	End	6571
Name	OJ990709_07.9919.C14.o1.ts	Method	TBLASTX:Soybean
Start	121	End	507
GI	none	Score	210
Exons	121..204, 217..507		

Seq. No.	30734	Seq. ID	OJ990709_07.9919.C14
Gene No.	63554	Strand	-
Start	4484	End	6571
Name	OJ990709_07.9919.C14.o1.gp	Method	AAT/GAP
Start	4484	End	4984
GI	38782_1.R1084	Score	748
Exons	4484..4984		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	30734	Seq. ID	OJ990709_07.9919.C14
Gene No.	63554	Strand	-
Start	4484	End	6571
Name	OJ990709_07.9919.C14.o3.gs	Method	GENSCAN
Start	4778	End	6571
GI	none	Score	.8
Exons	4778..4851, 5316..5457, 6515..6571		

Seq. No.	30735	Seq. ID	OJ990709_07.9919.C15

Gene No.	63555	Strand	-
Start	70	End	259
Name	OJ990709_07.9919.C15.o1.gs	Method	GENSCAN
Start	70	End	259
GI	none	Score	.43
Exons	70..259		

Seq. No.	30736	Seq. ID	OJ990709_07.9919.C16
Gene No.	63556	Strand	+
Start	1	End	1995
Name	OJ990709_07.9919.C16.o1.np	Method	AAT/NAP
Start	1	End	781
GI	5815436	Score	45
Exons	1..43, 92..185, 486..570, 736..781		
GI Descrip.	(AF178772) 98kDa HDM allergen [Dermatophagoides farinae]		

Seq. No.	30736	Seq. ID	OJ990709_07.9919.C16
Gene No.	63556	Strand	+
Start	1	End	1995
Name	OJ990709_07.9919.C16.o1.gp	Method	AAT/GAP
Start	56	End	230
GI	3107380	Score	304
Exons	56..230		

Seq. No.	30736	Seq. ID	OJ990709_07.9919.C16
Gene No.	63556	Strand	+
Start	1	End	1995
Name	OJ990709_07.9919.C16.o1.gs	Method	GENSCAN
Start	57	End	1995
GI	none	Score	.44
Exons	57..404, 486..671, 701..924, 986..1171, 1704..1995		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63557	Strand	+
Start	340	End	6830
Name	OJ990709_01.9919.C1.o1.gs	Method	GENSCAN
Start	340	End	2742
GI	none	Score	.41
Exons	340..559, 1269..1394, 1917..2186, 2207..2742		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63557	Strand	+
Start	340	End	6830
Name	OJ990709_01.9919.C1.o2.np	Method	AAT/NAP
Start	2192	End	6830
GI	6069646	Score	748
Exons	2192..2303, 6151..6830		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63558	Strand	-
Start	3077	End	6766
Name	OJ990709_01.9919.C1.o2.gs	Method	GENSCAN

Start	3077	End	6766
GI	none	Score	.65
Exons	3077..3207, 3503..3625, 3912..4150, 4245..4301, 4412..5112, 5204..5643, 5840..6013, 6258..6279, 6320..6766		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63558	Strand	-
Start	3077	End	6766
Name	OJ990709_01.9919.C1.o1.np	Method	AAT/NAP
Start	3362	End	5467
GI	5668808	Score	1036
Exons	3362..3412, 3503..3589, 3685..3803, 3912..4150, 4245..4301, 4396..4482, 4571..5112, 5204..5467		
GI Descrip.	(AC007519) F16N3.20 [Arabidopsis thaliana]		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63559	Strand	-
Start	10215	End	12238
Name	OJ990709_01.9919.C1.o3.tc	Method	TBLASTX:Cress
Start	2275	End	2735
GI	none	Score	101
Exons	2275..2352, 2544..2735, 2545..2727		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63559	Strand	-
Start	10215	End	12238
Name	OJ990709_01.9919.C1.o3.tm	Method	TBLASTX:Maize
Start	2284	End	2757
GI	none	Score	109
Exons	2284..2352, 2465..2512, 2470..2526, 2514..2741, 2515..2757		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63559	Strand	-
Start	10215	End	12238
Name	OJ990709_01.9919.C1.o3.ts	Method	TBLASTX:Soybean
Start	2284	End	2750
GI	none	Score	99
Exons	2284..2352, 2547..2750, 2548..2727		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63559	Strand	-
Start	10215	End	12238
Name	OJ990709_01.9919.C1.o2.tw	Method	TBLASTX:Wheat
Start	2539	End	2727
GI	none	Score	216
Exons	2539..2727, 2550..2708		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63559	Strand	-
Start	10215	End	12238
Name	OJ990709_01.9919.C1.o4.ts	Method	TBLASTX:Soybean
Start	3488	End	4023
GI	none	Score	82
Exons	3488..3595, 3500..3610, 3694..3810, 3710..3784, 3910..4023		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63559	Strand	-

Start	10215	End	12238
Name	OJ990709_01.9919.C1.o1.tc	Method	TBLASTX:Cress
Start	3503	End	5371
GI	none	Score	40
Exons	3503..3595, 3561..3590, 3697..3810, 3698..3784, 3905..3955, 3910..4158, 4058..4156, 4247..4300, 4256..4303, 4398..4481, 4555..4713, 4556..4714, 4831..4932, 4834..4944, 5014..5112, 5015..5113, 5201..5371, 5211..5363		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63559	Strand	-
Start	10215	End	12238
Name	OJ990709_01.9919.C1.o1.tm	Method	TBLASTX:Maize
Start	3688	End	5296
GI	none	Score	73
Exons	3688..3852, 3707..3784, 3910..4158, 4043..4153, 4250..4300, 4398..4481, 4549..4656, 4556..4657, 4672..4713, 4828..4947, 4834..4932, 5014..5112, 5018..5113, 5201..5296		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63559	Strand	-
Start	10215	End	12238
Name	OJ990709_01.9919.C1.o2.ts	Method	TBLASTX:Soybean
Start	4027	End	5359
GI	none	Score	74
Exons	4027..4158, 4028..4153, 4250..4285, 4398..4481, 4549..4650, 4556..4645, 4672..4713, 4834..4932, 4835..4927, 5010..5105, 5014..5112, 5024..5113, 5201..5359, 5208..5312		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63559	Strand	-
Start	10215	End	12238
Name	OJ990709_01.9919.C1.o7.tm	Method	TBLASTX:Maize
Start	6239	End	8363
GI	none	Score	65
Exons	6239..6349, 6382..6555, 6383..6553, 6383..6565, 6618..6704, 8286..8363		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63559	Strand	-
Start	10215	End	12238
Name	OJ990709_01.9919.C1.o3.tw	Method	TBLASTX:Wheat
Start	7495	End	7691
GI	none	Score	195
Exons	7495..7683, 7503..7691		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63559	Strand	-
Start	10215	End	12238
Name	OJ990709_01.9919.C1.o6.tm	Method	TBLASTX:Maize
Start	7498	End	7734
GI	none	Score	99
Exons	7498..7566, 7498..7566, 7549..7629, 7623..7709, 7630..7734		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63559	Strand	-
Start	10215	End	12238

Name	OJ990709_01.9919.C1.o5.tm	Method	TBLASTX:Maize
Start	7887	End	8282
GI	none	Score	65
Exons	7887..7973, 7983..8282, 7986..8237		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63559	Strand	-
Start	10215	End	12238
Name	OJ990709_01.9919.C1.o4.tm	Method	TBLASTX:Maize
Start	10212	End	10511
GI	none	Score	258
Exons	10212..10511, 10249..10467, 10404..10511		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63559	Strand	-
Start	10215	End	12238
Name	OJ990709_01.9919.C1.o3.gs	Method	GENSCAN
Start	10215	End	12238
GI	none	Score	.75
Exons	10215..10905, 11168..11268, 12200..12238		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63559	Strand	-
Start	10215	End	12238
Name	OJ990709_01.9919.C1.o3.np	Method	AAT/NAP
Start	10221	End	10889
GI	3152606	Score	502
Exons	10221..10889		
GI Descrip.	(AC004482) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63559	Strand	-
Start	10215	End	12238
Name	OJ990709_01.9919.C1.o1.ts	Method	TBLASTX:Soybean
Start	10309	End	10833
GI	none	Score	46
Exons	10309..10440, 10419..10502, 10423..10503, 10557..10829, 10558..10833		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63559	Strand	-
Start	10215	End	12238
Name	OJ990709_01.9919.C1.o2.tc	Method	TBLASTX:Cress
Start	10554	End	10824
GI	none	Score	255
Exons	10554..10823, 10558..10824		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63559	Strand	-
Start	10215	End	12238
Name	OJ990709_01.9919.C1.o2.tm	Method	TBLASTX:Maize
Start	10620	End	10848
GI	none	Score	311
Exons	10620..10847, 10621..10848		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1

Gene No.	63559	Strand	-
Start	10215	End	12238
Name	OJ990709_01.9919.C1.o1.tw	Method	TBLASTX:Wheat
Start	10633	End	10875
GI	none	Score	139
Exons	10633..10875, 10635..10832		

Seq. No.	30737	Seq. ID	OJ990709_01.9919.C1
Gene No.	63559	Strand	-
Start	10215	End	12238
Name	OJ990709_01.9919.C1.o1.gp	Method	AAT/GAP
Start	10860	End	11449
GI	none	Score	608
Exons	10860..10905, 11168..11449		

Seq. No.	30738	Seq. ID	OJ990709_01.9919.C2
Gene No.	63560	Strand	+
Start	557	End	1078
Name	OJ990709_01.9919.C2.o1.gs	Method	GENSCAN
Start	557	End	1078
GI	none	Score	.55
Exons	557..691, 793..1078		

Seq. No.	30738	Seq. ID	OJ990709_01.9919.C2
Gene No.	63561	Strand	+
Start	1894	End	3956
Name	OJ990709_01.9919.C2.o2.np	Method	AAT/NAP
Start	1894	End	3956
GI	6721561	Score	93
Exons	1894..2003, 3938..3956		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30738	Seq. ID	OJ990709_01.9919.C2
Gene No.	63562	Strand	-
Start	1772	End	1861
Name	OJ990709_01.9919.C2.o1.np	Method	AAT/NAP
Start	1772	End	1861
GI	4680183	Score	138
Exons	1772..1861		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	30738	Seq. ID	OJ990709_01.9919.C2
Gene No.	63563	Strand	-
Start	6329	End	6796
Name	OJ990709_01.9919.C2.o3.np	Method	AAT/NAP
Start	6329	End	6796
GI	6539570	Score	140
Exons	6329..6395, 6593..6796		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	30738	Seq. ID	OJ990709_01.9919.C2
Gene No.	63564	Strand	-
Start	6923	End	8267

Name	OJ990709_01.9919.C2.o4.np	Method	AAT/NAP
Start	6923	End	8267
GI	6630699	Score	84
Exons	6923..7001, 8222..8267		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	30738	Seq. ID	OJ990709_01.9919.C2
Gene No.	63565	Strand	-
Start	9493	End	10927
Name	OJ990709_01.9919.C2.o4.gs	Method	GENSCAN
Start	9493	End	10927
GI	none	Score	.73
Exons	9493..9593, 9881..9921, 10034..10068, 10199..10288, 10788..10927		

Seq. No.	30739	Seq. ID	OJ990709_01.9919.C4
Gene No.	63566	Strand	+
Start	410	End	1297
Name	OJ990709_01.9919.C4.o1.gs	Method	GENSCAN
Start	410	End	1297
GI	none	Score	.92
Exons	410..553, 660..755, 854..979, 1066..1105, 1245..1297		

Seq. No.	30739	Seq. ID	OJ990709_01.9919.C4
Gene No.	63567	Strand	-
Start	446	End	2682
Name	OJ990709_01.9919.C4.o1.np	Method	AAT/NAP
Start	446	End	2682
GI	1491621	Score	58
Exons	446..740, 2397..2577, 2628..2682		
GI Descrip.	(Z78205) UL36 [Bovine herpesvirus 1] gi|2653311|emb|CAA06097| (AJ004801) very large virion protein (tegument) [Bovine herpesvirus type 1.1]		

Seq. No.	30739	Seq. ID	OJ990709_01.9919.C4
Gene No.	63567	Strand	-
Start	446	End	2682
Name	OJ990709_01.9919.C4.o2.gs	Method	GENSCAN
Start	2417	End	2536
GI	none	Score	.5
Exons	2417..2536		

Seq. No.	30740	Seq. ID	OJ990709_01.9919.C5
Gene No.	63568	Strand	+
Start	1791	End	6312
Name	OJ990709_01.9919.C5.o1.gs	Method	GENSCAN
Start	1791	End	6294
GI	none	Score	.52
Exons	1791..2032, 2509..3062, 4594..4781, 5851..6294		

Seq. No.	30740	Seq. ID	OJ990709_01.9919.C5
Gene No.	63568	Strand	+
Start	1791	End	6312
Name	OJ990709_01.9919.C5.o1.np	Method	AAT/NAP
Start	2579	End	6312
GI	6723425	Score	501

Exons	2579..3139, 4594..4809, 5846..6312		
GI Descrip.	(AL132965) putative protein [Arabidopsis thaliana]		
Seq. No.	30740	Seq. ID	OJ990709_01.9919.C5
Gene No.	63568	Strand	+
Start	1791	End	6312
Name	OJ990709_01.9919.C5.o2.gp	Method	AAT/GAP
Start	2626	End	2851
GI	none	Score	440
Exons	2626..2851		
Seq. No.	30740	Seq. ID	OJ990709_01.9919.C5
Gene No.	63568	Strand	+
Start	1791	End	6312
Name	OJ990709_01.9919.C5.o3.gp	Method	AAT/GAP
Start	2954	End	5959
GI	uC-osf1cyp091b02b1	Score	842
Exons	2954..3139, 4594..4781, 5851..5959		
GI Descrip.	'2827699/emb|CAA16672| 3.0e-24 (AL021684) predicted protein [Arabidopsis thaliana]'		
Seq. No.	30740	Seq. ID	OJ990709_01.9919.C5
Gene No.	63569	Strand	-
Start	6039	End	6618
Name	OJ990709_01.9919.C5.o4.gp	Method	AAT/GAP
Start	6039	End	6618
GI	37761_1.R1084	Score	1126
Exons	6039..6618		
GI Descrip.	'3810592 5.0e-36 (AC005398) unknown protein [Arabidopsis thaliana]'		
Seq. No.	30740	Seq. ID	OJ990709_01.9919.C5
Gene No.	63570	Strand	-
Start	6783	End	6874
Name	OJ990709_01.9919.C5.o1.tm	Method	TBLASTX:Maize
Start	2576	End	2998
GI	none	Score	91
Exons	2576..2638, 2579..2689, 2681..2785, 2738..2773, 2861..2998, 2873..2995		
Seq. No.	30740	Seq. ID	OJ990709_01.9919.C5
Gene No.	63570	Strand	-
Start	6783	End	6874
Name	OJ990709_01.9919.C5.o1.ts	Method	TBLASTX:Soybean
Start	2630	End	4672
GI	none	Score	101
Exons	2630..2785, 2873..3007, 3052..3114, 4592..4672, 4593..4670		
Seq. No.	30740	Seq. ID	OJ990709_01.9919.C5
Gene No.	63570	Strand	-
Start	6783	End	6874
Name	OJ990709_01.9919.C5.o1.tc	Method	TBLASTX:Cress
Start	2888	End	6081
GI	none	Score	81
Exons	2888..2989, 3052..3114, 4526..4783, 4593..4784, 4593..4784, 5974..6081		

Seq. No.	30740	Seq. ID	OJ990709_01.9919.C5
Gene No.	63570	Strand	-
Start	6783	End	6874
Name	OJ990709_01.9919.C5.o2.tm	Method	TBLASTX:Maize
Start	4639	End	6096
GI	none	Score	241
Exons	4639..4779, 4640..4780, 4641..4784, 5837..5905, 5848..5904, 5852..5908, 5943..6044, 5956..6096, 5957..6094, 5965..6096		

Seq. No.	30740	Seq. ID	OJ990709_01.9919.C5
Gene No.	63570	Strand	-
Start	6783	End	6874
Name	OJ990709_01.9919.C5.o2.gs	Method	GENSCAN
Start	6783	End	6874
GI	none	Score	.67
Exons	6783..6874		

Seq. No.	30741	Seq. ID	OJ990709_01.9919.C6
Gene No.	63571	Strand	+
Start	82	End	14248
Name	OJ990709_01.9919.C6.o1.np	Method	AAT/NAP
Start	82	End	14248
GI	3879113	Score	220
Exons	82..215, 2523..2789, 7681..7918, 14207..14248		
GI Descrip.	(Z35601) Similar to the probable RNA binding protein NRP-1B from the African clawed frog; cDNA EST EMBL:D32926 comes from this gene; cDNA EST EMBL:D35639 comes from this gene; cDNA EST yk338g7.5 comes from this gene [Caenorha...		

Seq. No.	30741	Seq. ID	OJ990709_01.9919.C6
Gene No.	63571	Strand	+
Start	82	End	14248
Name	OJ990709_01.9919.C6.o1.gs	Method	GENSCAN
Start	152	End	9646
GI	none	Score	.57
Exons	152..736, 2452..3076, 4965..5075, 5234..5340, 5402..5612, 6331..6470, 7610..7711, 7724..8010, 8120..8321, 8444..8574, 8663..8690, 8728..8791, 9096..9646		

Seq. No.	30741	Seq. ID	OJ990709_01.9919.C6
Gene No.	63572	Strand	-
Start	15459	End	18638
Name	OJ990709_01.9919.C6.o4.ts	Method	TBLASTX:Soybean
Start	215	End	9322
GI	none	Score	122
Exons	215..388, 239..382, 244..387, 2520..2756, 2521..2766, 2524..2700, 2529..2669, 5333..5440, 5336..5422, 7678..7914, 7679..7924, 7682..7858, 8577..8744, 8584..8745, 8587..8778, 9076..9201, 9079..9201, 9203..9322		

Seq. No.	30741	Seq. ID	OJ990709_01.9919.C6
Gene No.	63572	Strand	-
Start	15459	End	18638
Name	OJ990709_01.9919.C6.o2.tc	Method	TBLASTX:Cress
Start	239	End	9331
GI	none	Score	106
Exons	239..382, 2508..2753, 2509..2775, 2524..2634, 2529..2633,		

2694..2741, 2702..2740, 5336..5422, 7666..7911, 7667..7933, 7682..7792, 7852..7899, 8584..8730, 9064..9201, 9079..9189, 9203..9331

Seq. No.	30741	Seq. ID	OJ990709_01.9919.C6
Gene No.	63572	Strand	-
Start	15459	End	18638
Name	OJ990709_01.9919.C6.o2.tm	Method	TBLASTX:Maize
Start	239	End	9322
GI	none	Score	97
Exons	239..382, 2520..2762, 2521..2766, 5336..5422, 7678..7920, 7679..7924, 8583..8756, 8584..8745, 9076..9201, 9203..9322		

Seq. No.	30741	Seq. ID	OJ990709_01.9919.C6
Gene No.	63572	Strand	-
Start	15459	End	18638
Name	OJ990709_01.9919.C6.o3.tm	Method	TBLASTX:Maize
Start	6395	End	6841
GI	none	Score	179
Exons	6395..6499, 6602..6841		

Seq. No.	30741	Seq. ID	OJ990709_01.9919.C6
Gene No.	63572	Strand	-
Start	15459	End	18638
Name	OJ990709_01.9919.C6.o2.ts	Method	TBLASTX:Soybean
Start	15454	End	15849
GI	none	Score	196
Exons	15454..15624, 15459..15620, 15478..15636, 15666..15848, 15673..15849, 15682..15849		

Seq. No.	30741	Seq. ID	OJ990709_01.9919.C6
Gene No.	63572	Strand	-
Start	15459	End	18638
Name	OJ990709_01.9919.C6.o3.gs	Method	GENSCAN
Start	15459	End	18565
GI	none	Score	.87
Exons	15459..15794, 16724..16837, 16934..17224, 17330..17638, 18389..18565		

Seq. No.	30741	Seq. ID	OJ990709_01.9919.C6
Gene No.	63572	Strand	-
Start	15459	End	18638
Name	OJ990709_01.9919.C6.o4.np	Method	AAT/NAP
Start	15462	End	18638
GI	4309698	Score	2077
Exons	15462..16079, 16724..16837, 16934..17224, 17330..17638, 18389..18638		
GI Descrip.	(AC006266) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	30741	Seq. ID	OJ990709_01.9919.C6
Gene No.	63572	Strand	-
Start	15459	End	18638
Name	OJ990709_01.9919.C6.o1.tm	Method	TBLASTX:Maize
Start	15574	End	18635
GI	none	Score	51
Exons	15574..15624, 15585..15632, 15621..15980, 15631..15978, 15652..15981, 15666..15980, 15946..16080, 15978..16085,		

15982..16080, 16721..16846, 16728..16847, 16728..16850,
16925..17251, 16926..17240, 16928..17251, 17322..17639,
17324..17641, 17328..17639, 17330..17641, 18386..18460,
18387..18431, 18403..18486, 18419..18460, 18498..18530,
18518..18634, 18519..18635

Seq. No.	30741	Seq. ID	OJ990709_01.9919.C6
Gene No.	63572	Strand	-
Start	15459	End	18638
Name	OJ990709_01.9919.C6.o1.tc	Method	TBLASTX:Cress
Start	15696	End	18433
GI	none	Score	299
Exons	15696..16010, 15697..16080, 15760..16080, 16713..16823, 16714..16824, 16721..16828, 16721..16831, 16725..16829, 16927..17229, 16931..17251, 16932..17264, 17328..17471, 17330..17536, 17330..17641, 17331..17645, 18386..18433		

Seq. No.	30741	Seq. ID	OJ990709_01.9919.C6
Gene No.	63572	Strand	-
Start	15459	End	18638
Name	OJ990709_01.9919.C6.o1.tw	Method	TBLASTX:Wheat
Start	15747	End	15998
GI	none	Score	184
Exons	15747..15998		

Seq. No.	30741	Seq. ID	OJ990709_01.9919.C6
Gene No.	63572	Strand	-
Start	15459	End	18638
Name	OJ990709_01.9919.C6.o3.ts	Method	TBLASTX:Soybean
Start	15852	End	16786
GI	none	Score	223
Exons	15852..16010, 15853..16071, 16721..16786, 16734..16784		

Seq. No.	30741	Seq. ID	OJ990709_01.9919.C6
Gene No.	63572	Strand	-
Start	15459	End	18638
Name	OJ990709_01.9919.C6.o1.ts	Method	TBLASTX:Soybean
Start	16788	End	18451
GI	none	Score	88
Exons	16788..16838, 16790..16840, 16934..17143, 16934..17251, 16935..17255, 17322..17630, 17328..17528, 17330..17641, 18386..18451, 18387..18431		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63573	Strand	+
Start	242	End	873
Name	OJ990709_01.9919.C7.o1.gs	Method	GENSCAN
Start	242	End	873
GI	none	Score	.71
Exons	242..508, 801..873		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63574	Strand	+
Start	2813	End	3235
Name	OJ990709_01.9919.C7.o2.gs	Method	GENSCAN
Start	2813	End	3235
GI	none	Score	.51

Exons	2813..2881, 3125..3235		
Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63575	Strand	+
Start	5124	End	5577
Name	OJ990709_01.9919.C7.o1.gp	Method	AAT/GAP
Start	5124	End	5577
GI	none	Score	870
Exons	5124..5577		
Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63576	Strand	+
Start	9650	End	11075
Name	OJ990709_01.9919.C7.o2.np	Method	AAT/NAP
Start	9650	End	11075
GI	5852084	Score	84
Exons	9650..9708, 10988..11075		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		
Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63577	Strand	+
Start	15629	End	16387
Name	OJ990709_01.9919.C7.o5.gs	Method	GENSCAN
Start	15629	End	16387
GI	none	Score	.98
Exons	15629..16387		
Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63578	Strand	+
Start	18238	End	22147
Name	OJ990709_01.9919.C7.o6.gs	Method	GENSCAN
Start	18238	End	19092
GI	none	Score	.56
Exons	18238..18297, 18742..19092		
Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63578	Strand	+
Start	18238	End	22147
Name	OJ990709_01.9919.C7.o4.np	Method	AAT/NAP
Start	18780	End	22147
GI	6815109	Score	432
Exons	18780..18839, 20819..21833, 21866..22147		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63579	Strand	+
Start	24265	End	27189
Name	OJ990709_01.9919.C7.o6.gp	Method	AAT/GAP
Start	24209	End	24342
GI	uC-osflm202102c03b1	Score	233
Exons	24209..24342		
GI Descrip.	'3201609 2.0e-09 (AC004669) putative RNA helicase A [Arabidopsis thaliana]'		
Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63579	Strand	+
Start	24265	End	27189

Name	OJ990709_01.9919.C7.o8.gs	Method	GENSCAN
Start	24265	End	27189
GI	none	Score	.98
Exons	24265..24399, 24521..24871, 26407..27189		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63580	Strand	+
Start	27739	End	39293
Name	OJ990709_01.9919.C7.o9.gs	Method	GENSCAN
Start	27739	End	37317
GI	none	Score	.52
Exons	27739..27986, 29622..29904, 30061..30135, 30508..30552, 30927..31017, 33421..33639, 33721..33934, 34298..34373, 34515..35073, 35911..35951, 36069..36237, 36313..36410, 37099..37317		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63580	Strand	+
Start	27739	End	39293
Name	OJ990709_01.9919.C7.o7.gp	Method	AAT/GAP
Start	27913	End	28423
GI	3763026	Score	499
Exons	27913..28176, 28402..28423		
GI Descrip.	3201609 2.0e-09 (AC004669) putative RNA helicase A [Arabidopsis thaliana]		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63580	Strand	+
Start	27739	End	39293
Name	OJ990709_01.9919.C7.o5.np	Method	AAT/NAP
Start	28089	End	39293
GI	1353239	Score	2834
Exons	28089..28176, 29367..29457, 29622..29931, 30061..30135, 30508..30552, 30927..31017, 31098..31156, 31659..31758, 31795..31820, 32623..32675, 32762..32795, 33204..33293, 33372..34373, 34515..35073, 35911..36410, 36831..36938, 39243..39293		
GI Descrip.	(U10245) putative RNA helicase A [Arabidopsis thaliana]		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63580	Strand	+
Start	27739	End	39293
Name	OJ990709_01.9919.C7.o8.gp	Method	AAT/GAP
Start	29367	End	29459
GI	3763026	Score	139
Exons	29367..29459		
GI Descrip.	3201609 2.0e-09 (AC004669) putative RNA helicase A [Arabidopsis thaliana]		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63580	Strand	+
Start	27739	End	39293
Name	OJ990709_01.9919.C7.o9.gp	Method	AAT/GAP
Start	37376	End	37762
GI	none	Score	735
Exons	37376..37762		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63580	Strand	+
Start	27739	End	39293
Name	OJ990709_01.9919.C7.o10.gp	Method	AAT/GAP
Start	38999	End	39245
GI	8022_1.R1084	Score	309
Exons	38999..39245		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63581	Strand	-
Start	5472	End	10065
Name	OJ990709_01.9919.C7.o3.gs	Method	GENSCAN
Start	5472	End	10065
GI	none	Score	.99
Exons	5472..5597, 5697..5913, 6016..7631, 7711..7794, 7875..8145, 8335..8588, 8750..8959, 9880..10065		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63581	Strand	-
Start	5472	End	10065
Name	OJ990709_01.9919.C7.o2.gp	Method	AAT/GAP
Start	6270	End	7316
GI	7695_1.R1084	Score	2078
Exons	6270..7316		
GI Descrip.	'2827709/emb|CAA16682| 1.0e-63 (AL021684) predicted protein [Arabidopsis thaliana]'		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63582	Strand	-
Start	11238	End	15294
Name	OJ990709_01.9919.C7.o4.gs	Method	GENSCAN
Start	11238	End	15273
GI	none	Score	.83
Exons	11238..11423, 11896..11948, 11982..12008, 12300..12410, 12723..12772, 12885..12964, 13234..13386, 13546..13695, 13918..14041, 14127..14239, 14328..14461, 14607..15273		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63582	Strand	-
Start	11238	End	15294
Name	OJ990709_01.9919.C7.o3.np	Method	AAT/NAP
Start	11286	End	15294
GI	2827710	Score	1082
Exons	11286..11323, 12721..12772, 12885..12964, 13546..13695, 13918..14041, 14127..14239, 14328..14499, 14603..14793, 14890..15294		
GI Descrip.	(AL021684) lysosomal Pro-X carboxypeptidase - like protein [Arabidopsis thaliana]		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63582	Strand	-
Start	11238	End	15294
Name	OJ990709_01.9919.C7.o3.gp	Method	AAT/GAP
Start	12219	End	12768
GI	2796246	Score	377

Exons	12219..12405, 12720..12768		
Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63583	Strand	-
Start	20896	End	23010
Name	OJ990709_01.9919.C7.o7.gs	Method	GENSCAN
Start	20896	End	23010
GI	none	Score	.88
Exons	20896..21011, 21169..21308, 21401..21480, 22915..23010		
Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63584	Strand	-
Start	39119	End	39897
Name	OJ990709_01.9919.C7.o10.gs	Method	GENSCAN
Start	39119	End	39897
GI	none	Score	.45
Exons	39119..39136, 39285..39404, 39820..39897		
Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o3.tm	Method	TBLASTX:Maize
Start	5300	End	7044
GI	none	Score	73
Exons	5300..5392, 5467..5517, 5469..5516, 5766..5915, 5846..5923, 5851..5916, 6016..6066, 6016..6048, 6047..6139, 6048..6140, 6048..6152, 6225..6296, 6226..6297, 6360..6536, 6362..6514, 6510..6995, 6511..7044, 6550..6696, 6566..6991, 6889..7011		
Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o1.tw	Method	TBLASTX:Wheat
Start	6405	End	6754
GI	none	Score	329
Exons	6405..6749, 6407..6754, 6413..6754		
Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o4.ts	Method	TBLASTX:Soybean
Start	6651	End	7220
GI	none	Score	261
Exons	6651..7220		
Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o10.tm	Method	TBLASTX:Maize
Start	7047	End	7238
GI	none	Score	148
Exons	7047..7184, 7047..7238, 7147..7221		
Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o7.ts	Method	TBLASTX:Soybean

Start	8526	End	9987
GI	none	Score	87
Exons	8526..8588, 8747..8959, 8826..8948, 9887..9979, 9892..9987		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o7.tm	Method	TBLASTX:Maize
Start	12276	End	14469
GI	none	Score	110
Exons	12276..12410, 12280..12411, 12301..12411, 12721..12771, 12721..12771, 12722..12772, 12876..12962, 12884..12964, 12887..12967, 13233..13340, 13234..13341, 13234..13344, 13235..13345, 13345..13389, 13348..13389, 13529..13693, 13541..13675, 13546..13698, 13915..14046, 13916..14047, 13918..14049, 14126..14245, 14133..14240, 14137..14241, 14304..14453, 14305..14469		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o3.tc	Method	TBLASTX:Cress
Start	12304	End	14007
GI	none	Score	67
Exons	12304..12411, 12721..12774, 12887..12964, 12888..12941, 13232..13351, 13234..13356, 13234..13359, 13340..13390, 13342..13389, 13481..13690, 13541..13648, 13546..13695, 13915..14007		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o6.ts	Method	TBLASTX:Soybean
Start	13342	End	13695
GI	none	Score	134
Exons	13342..13389, 13529..13690, 13541..13687, 13546..13695		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o3.ts	Method	TBLASTX:Soybean
Start	13987	End	14728
GI	none	Score	58
Exons	13987..14046, 14126..14245, 14130..14237, 14308..14460, 14328..14462, 14328..14462, 14518..14538, 14582..14728, 14596..14727		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o8.tm	Method	TBLASTX:Maize
Start	14596	End	14820
GI	none	Score	177
Exons	14596..14796, 14607..14795, 14608..14820		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-

Start	40959	End	45364
Name	OJ990709_01.9919.C7.o2.tc	Method	TBLASTX:Cress
Start	14695	End	15138
GI	none	Score	41
Exons	14695..14757, 14749..14796, 14770..14832, 14890..15000, 14942..15001, 15088..15138		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o6.tm	Method	TBLASTX:Maize
Start	24259	End	24777
GI	none	Score	38
Exons	24259..24306, 24260..24364, 24336..24353, 24365..24436, 24366..24401, 24509..24775, 24521..24775, 24685..24777		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o2.tw	Method	TBLASTX:Wheat
Start	24268	End	24757
GI	none	Score	49
Exons	24268..24315, 24335..24397, 24366..24398, 24509..24757, 24521..24718		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o1.ts	Method	TBLASTX:Soybean
Start	24520	End	27189
GI	none	Score	187
Exons	24520..24570, 24563..24733, 24563..24718, 24791..24871, 24806..24868, 26382..26531, 26398..26532, 26533..26634, 26680..26724, 26772..26963, 26773..26967, 26980..27189, 26982..27149		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o1.tm	Method	TBLASTX:Maize
Start	24778	End	27204
GI	none	Score	148
Exons	24778..24870, 24779..24871, 26385..26729, 26389..26730, 26728..26760, 26739..27149, 26742..27203, 26749..27204		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o1.tc	Method	TBLASTX:Cress
Start	29362	End	36911
GI	none	Score	105
Exons	29362..29457, 29366..29458, 29701..29934, 30058..30141, 30505..30567, 30927..30956, 30960..31016, 31094..31159, 31656..31742, 32623..32676, 33204..33296, 33209..33301, 33371..33445, 33372..33470, 33471..34376, 33477..33743, 33575..33778, 33807..34373, 33812..34375, 34509..35075, 34511..35086, 35909..36058, 35910..36089, 36084..36197,		

36095..36196, 36279..36413, 36281..36415, 36821..36910,
36828..36911

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o4.tm	Method	TBLASTX:Maize
Start	31727	End	33780
GI	none	Score	111
Exons	31727..31822, 31728..31820, 31730..31822, 32599..32676, 32618..32674, 32622..32681, 32622..32675, 32623..32679, 32742..32786, 32760..32798, 32761..32796, 33202..33297, 33203..33295, 33203..33298, 33204..33302, 33362..33421, 33364..33420, 33372..33428, 33372..33428, 33537..33779, 33537..33776, 33559..33777, 33566..33778, 33568..33780		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o9.tm	Method	TBLASTX:Maize
Start	33852	End	34193
GI	none	Score	246
Exons	33852..34184, 33908..34183, 34038..34193		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o5.ts	Method	TBLASTX:Soybean
Start	33867	End	34156
GI	none	Score	249
Exons	33867..34151, 33884..34156		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o2.tm	Method	TBLASTX:Maize
Start	34569	End	36335
GI	none	Score	799
Exons	34569..35075, 34569..34733, 34570..35076, 34571..35077, 34571..35086, 35888..36334, 35909..36202, 35910..36335		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o2.ts	Method	TBLASTX:Soybean
Start	34584	End	34865
GI	none	Score	379
Exons	34584..34865, 34590..34733, 34598..34864		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o8.ts	Method	TBLASTX:Soybean
Start	35909	End	36134
GI	none	Score	68
Exons	35909..35962, 35910..36008, 35976..36134, 35987..36130		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o5.tm	Method	TBLASTX:Maize
Start	36336	End	37240
GI	none	Score	128
Exons	36336..36416, 36338..36412, 36817..37179, 36828..37196, 36830..37174, 37175..37240, 37176..37238, 37178..37240		

Seq. No.	30742	Seq. ID	OJ990709_01.9919.C7
Gene No.	63585	Strand	-
Start	40959	End	45364
Name	OJ990709_01.9919.C7.o11.gs	Method	GENSCAN
Start	40959	End	45364
GI	none	Score	.7
Exons	40959..41023, 41537..41597, 42012..42052, 44287..44410, 45175..45364		

Seq. No.	30743	Seq. ID	OJ990709_01.9919.C8
Gene No.	63586	Strand	+
Start	1	End	2274
Name	OJ990709_01.9919.C8.o1.np	Method	AAT/NAP
Start	1	End	2274
GI	3250675	Score	902
Exons	1..72, 145..329, 383..623, 1164..2274		
GI Descrip.	(AL024486) putative protein [Arabidopsis thaliana]		

Seq. No.	30743	Seq. ID	OJ990709_01.9919.C8
Gene No.	63586	Strand	+
Start	1	End	2274
Name	OJ990709_01.9919.C8.o1.tc	Method	TBLASTX:Cress
Start	241	End	1889
GI	none	Score	61
Exons	241..294, 399..623, 1161..1229, 1251..1361, 1398..1889, 1398..1643, 1764..1889		

Seq. No.	30743	Seq. ID	OJ990709_01.9919.C8
Gene No.	63586	Strand	+
Start	1	End	2274
Name	OJ990709_01.9919.C8.o1.ts	Method	TBLASTX:Soybean
Start	241	End	1889
GI	none	Score	84
Exons	241..306, 383..622, 396..629, 1161..1367, 1175..1330, 1353..1889, 1409..1888		

Seq. No.	30743	Seq. ID	OJ990709_01.9919.C8
Gene No.	63586	Strand	+
Start	1	End	2274
Name	OJ990709_01.9919.C8.o1.gs	Method	GENSCAN
Start	402	End	1729
GI	none	Score	.84
Exons	402..623, 1164..1729		

Seq. No.	30743	Seq. ID	OJ990709_01.9919.C8
Gene No.	63586	Strand	+
Start	1	End	2274
Name	OJ990709_01.9919.C8.o1.tm	Method	TBLASTX:Maize

Start	530	End	1889
GI	none	Score	117
Exons	530..628, 530..622, 1153..1887, 1161..1889, 1161..1889		

Seq. No.	30743	Seq. ID	OJ990709_01.9919.C8
Gene No.	63586	Strand	+
Start	1	End	2274
Name	OJ990709_01.9919.C8.o1.gp	Method	AAT/GAP
Start	583	End	1584
GI	8854_1.R1084	Score	872
Exons	583..622, 1164..1584		
GI Descrip.	'1773295 1.0e-19 (U76707) regulatory protein NPR1 [Arabidopsis thaliana] >gi_1916912 (U87794) transcription factor inhibitor I kappa B homolog [Arabidopsis thaliana]'		

Seq. No.	30744	Seq. ID	OJ990709_01.9919.C9
Gene No.	63587	Strand	-
Start	1	End	263
Name	OJ990709_01.9919.C9.o1.np	Method	AAT/NAP
Start	1	End	263
GI	4309698	Score	144
Exons	1..263		
GI Descrip.	(AC006266) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	30745	Seq. ID	OJ990709_09.9919.C1
Gene No.	63588	Strand	+
Start	1	End	256
Name	OJ990709_09.9919.C1.o1.np	Method	AAT/NAP
Start	1	End	256
GI	6907086	Score	196
Exons	1..256		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	30746	Seq. ID	OJ990709_09.9919.C2
Gene No.	63589	Strand	+
Start	1	End	416
Name	OJ990709_09.9919.C2.o1.np	Method	AAT/NAP
Start	1	End	416
GI	2586087	Score	221
Exons	1..416		
GI Descrip.	(U72724) receptor kinase-like protein [Oryza sativa]		

Seq. No.	30746	Seq. ID	OJ990709_09.9919.C2
Gene No.	63590	Strand	-
Start	33	End	341
Name	OJ990709_09.9919.C2.o1.gs	Method	GENSCAN
Start	33	End	341
GI	none	Score	.55
Exons	33..341		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63591	Strand	+
Start	3076	End	13744
Name	OJ990709_09.9919.C3.o2.gs	Method	GENSCAN
Start	3076	End	13744
GI	none	Score	.58
Exons	3076..3767, 6623..6888, 7294..7464, 7703..8682, 13556..13744		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63591	Strand	+
Start	3076	End	13744
Name	OJ990709_09.9919.C3.o1.np	Method	AAT/NAP
Start	5649	End	8688
GI	3355308	Score	515
Exons	5649..5735, 6683..6779, 6819..6888, 7294..7433, 7621..8688		
GI Descrip.	(AJ009695) wall-associated kinase 4 [Arabidopsis thaliana]		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63592	Strand	+
Start	13952	End	16746
Name	OJ990709_09.9919.C3.o3.gs	Method	GENSCAN
Start	13952	End	16746
GI	none	Score	.79
Exons	13952..14018, 14568..14695, 14872..14949, 16480..16746		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63592	Strand	+
Start	13952	End	16746
Name	OJ990709_09.9919.C3.o2.gp	Method	AAT/GAP
Start	15874	End	15959
GI	LIB3477-003-P1-K1-E9	Score	116
Exons	15874..15959		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORYS 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63593	Strand	+
Start	21790	End	29298
Name	OJ990709_09.9919.C3.o5.gs	Method	GENSCAN
Start	21790	End	29169
GI	none	Score	.82
Exons	21790..21970, 22629..22801, 22900..23070, 23459..23569, 23660..23737, 24134..24324, 24365..24450, 24839..24870, 24957..25019, 25541..25701, 25869..25908, 26266..26385, 26485..26703, 27419..27592, 27694..28375, 28478..28677, 28761..28899, 28943..29169		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63593	Strand	+
Start	21790	End	29298
Name	OJ990709_09.9919.C3.o5.gp	Method	AAT/GAP
Start	28150	End	28376
GI	2798137	Score	428
Exons	28150..28376		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63593	Strand	+
Start	21790	End	29298
Name	OJ990709_09.9919.C3.o6.gp	Method	AAT/GAP
Start	29015	End	29298
GI	4714304	Score	455
Exons	29015..29298		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63594	Strand	+
Start	34118	End	35262
Name	OJ990709_09.9919.C3.o7.gs	Method	GENSCAN
Start	34118	End	35262
GI	none	Score	.42
Exons	34118..34250, 34743..34932, 35082..35262		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63595	Strand	+
Start	38919	End	40135
Name	OJ990709_09.9919.C3.o8.gs	Method	GENSCAN
Start	38919	End	40135
GI	none	Score	.98
Exons	38919..39607, 40015..40135		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63596	Strand	+
Start	40983	End	44592
Name	OJ990709_09.9919.C3.o9.gs	Method	GENSCAN
Start	40983	End	44358
GI	none	Score	.9
Exons	40983..41047, 41394..41641, 41885..42076, 43367..44358		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63596	Strand	+
Start	40983	End	44592
Name	OJ990709_09.9919.C3.o7.gp	Method	AAT/GAP
Start	43470	End	43818
GI	568479	Score	649
Exons	43470..43818		
GI Descrip.	5803260/dbj|BAA83570.1| 3.0e-19 (AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63596	Strand	+
Start	40983	End	44592
Name	OJ990709_09.9919.C3.o8.gp	Method	AAT/GAP
Start	44134	End	44592
GI	2317557	Score	875
Exons	44134..44592		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63597	Strand	+
Start	47477	End	52234
Name	OJ990709_09.9919.C3.o11.gs	Method	GENSCAN
Start	47477	End	52234
GI	none	Score	.96
Exons	47477..48177, 49865..50115, 50259..50417, 50678..51111, 51239..51767, 52152..52234		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63598	Strand	+
Start	53172	End	61625
Name	OJ990709_09.9919.C3.o3.np	Method	AAT/NAP
Start	53172	End	61586
GI	2586083	Score	1514

Exons	53172..53620, 58529..58811, 59187..59390, 59523..61143, 61240..61586		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		
Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63598	Strand	+
Start	53172	End	61625
Name	OJ990709_09.9919.C3.o13.gs	Method	GENSCAN
Start	56087	End	56785
GI	none	Score	.73
Exons	56087..56294, 56394..56785		
Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63598	Strand	+
Start	53172	End	61625
Name	OJ990709_09.9919.C3.o14.gs	Method	GENSCAN
Start	58221	End	61625
GI	none	Score	.55
Exons	58221..61143, 61240..61625		
Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63599	Strand	-
Start	120	End	1010
Name	OJ990709_09.9919.C3.o1.gs	Method	GENSCAN
Start	120	End	1010
GI	none	Score	.66
Exons	120..253, 270..418, 568..685, 936..1010		
Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63600	Strand	-
Start	17090	End	20390
Name	OJ990709_09.9919.C3.o3.gp	Method	AAT/GAP
Start	17082	End	17800
GI	uC-osflcyp159g01b1	Score	571
Exons	17082..17161, 17346..17462, 17580..17696, 17780..17800		
GI Descrip.	'3482918 6.0e-39 (AC003970) Similar to ATP-citrate-lyase [Arabidopsis thaliana]'		
Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63600	Strand	-
Start	17090	End	20390
Name	OJ990709_09.9919.C3.o2.np	Method	AAT/NAP
Start	17090	End	20262
GI	3482918	Score	1597
Exons	17090..17161, 17346..17462, 17580..17696, 17780..17881, 17974..18069, 18262..18343, 18418..18531, 18647..18698, 18813..19055, 19146..19322, 20164..20262		
GI Descrip.	(AC003970) Similar to ATP-citrate-lyase [Arabidopsis thaliana]		
Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63600	Strand	-
Start	17090	End	20390
Name	OJ990709_09.9919.C3.o4.gs	Method	GENSCAN
Start	17090	End	20262
GI	none	Score	.77
Exons	17090..17161, 17346..17462, 17580..17696, 17780..17902, 17974..18069, 18262..18395, 18418..18531, 18647..18698,		

18813..19055, 19146..19380, 19761..19819, 20164..20262

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63600	Strand	-
Start	17090	End	20390
Name	OJ990709_09.9919.C3.o4.gp	Method	AAT/GAP
Start	18947	End	20390
GI	45413_1.R1084	Score	904
Exons	18947..19055, 19146..19322, 20164..20390		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63601	Strand	-
Start	53680	End	63798
Name	OJ990709_09.9919.C3.o8.tm	Method	TBLASTX:Maize
Start	7834	End	51322
GI	none	Score	115
Exons	7834..7974, 7834..7905, 7881..7949, 7980..8129, 7980..8132, 7981..8133, 8177..8248, 8178..8234, 8239..8259, 43486..43584, 43536..43580, 43609..43785, 43609..43782, 43635..43784, 43783..43866, 43792..43866, 43802..43891, 43882..43908, 43882..43905, 51060..51203, 51073..51207, 51236..51289, 51290..51322		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63601	Strand	-
Start	53680	End	63798
Name	OJ990709_09.9919.C3.o1.tc	Method	TBLASTX:Cress
Start	7879	End	61334
GI	none	Score	48
Exons	7879..7986, 7984..8130, 8149..8361, 8217..8315, 8347..8493, 8355..8483, 43642..43785, 43816..44016, 43993..44133, 44004..44132, 51073..51216, 51287..51370, 51419..51532, 53358..53384, 53400..53747, 53400..53738, 53403..53774, 53406..53768, 53406..53750, 53415..53768, 53415..53750, 53421..53615, 53436..53762, 53436..53573, 53436..53750, 53478..53678, 53769..53852, 53769..53837, 53798..53941, 53810..53938, 53810..53953, 53810..53869, 53816..53956, 53822..53947, 53822..53953, 53822..53941, 53831..53941, 53957..54151, 53957..54151, 53957..54106, 53960..54091, 54137..54376, 54145..54315, 54152..54490, 54152..54409, 54152..54454, 54152..54448, 54152..54448, 54152..54442, 54152..54448, 54188..54448, 54257..54448, 54464..54583, 54548..54769, 54551..54955, 54551..54985, 54566..54700, 54575..55249, 54581..54889, 54581..55036, 54581..55045, 54581..55045, 54581..55036, 54638..55027, 54638..55048, 54770..55045, 54773..55045, 55028..55249, 55028..55177, 55046..55186, 55046..55192, 55049..55174, 55052..55297, 55054..55218, 55127..55180, 55238..55315, 55511..55720, 55754..55801, 56099..56230, 56246..56323, 56396..56491, 58404..58868, 58434..58790, 58452..58793, 58455..58820, 58467..58793, 58467..58667, 58467..58802, 58473..58820, 58488..58814, 58488..58730, 58488..58808, 58565..58729, 58821..58940, 58821..58991, 58821..58991, 58821..58991, 58842..58967, 59066..59155, 59220..59336, 59228..59410, 59232..59531, 59232..59483, 59232..59525, 59232..59525,		

59234..59482, 59235..59525, 59235..59447, 59235..59525,
59235..59543, 59271..59525, 59343..59537, 59352..59531,
59412..59531, 59541..59648, 59547..59630, 59565..59636,
59574..59633, 59625..60191, 59628..60272, 59631..59852,
59634..60188, 59634..60068, 59637..60149, 59652..60338,
59652..59849, 59655..60260, 59712..60263, 59721..60278,
59793..60335, 59856..60335, 59891..60109, 59937..60272,
59937..60338, 60069..60335, 60140..60304, 60195..60266,
60324..60398, 60600..60809, 60843..60890, 61002..61079,
61095..61187, 61227..61334

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63601	Strand	-
Start	53680	End	63798
Name	OJ990709_09.9919.C3.o2.ts	Method	TBLASTX:Soybean
Start	7879	End	63798
GI	none	Score	64

Exons 7879..8055, 8080..8322, 8250..8312, 8361..8456, 8422..8469,
43801..43995, 44059..44106, 51296..51391, 51419..51514,
55511..55750, 55516..55749, 55736..55789, 56090..56263,
56092..56229, 56093..56230, 56395..56568, 56396..56581,
60600..60839, 60600..60725, 60749..60838, 60825..60878,
60908..61078, 60909..61112, 60942..61079, 61227..61424,
61229..61372, 61440..61574, 63700..63798

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63601	Strand	-
Start	53680	End	63798
Name	OJ990709_09.9919.C3.o2.tw	Method	TBLASTX:Wheat
Start	8067	End	61145
GI	none	Score	49

Exons 8067..8117, 8077..8172, 8212..8325, 8239..8331, 8355..8489,
8356..8493, 43732..43962, 44007..44132, 44008..44133,
51296..51382, 51419..51508, 51419..51511, 55754..55846,
56090..56302, 60842..61144, 60843..61145

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63601	Strand	-
Start	53680	End	63798
Name	OJ990709_09.9919.C3.o3.tm	Method	TBLASTX:Maize
Start	8266	End	63759
GI	none	Score	65

Exons 8266..8343, 8362..8472, 43909..44007, 44005..44109,
51323..51388, 51419..51517, 56167..56292, 56168..56293,
56393..56692, 56395..56697, 56396..56698, 61014..61187,
61017..61187, 61227..61472, 61229..61438, 61391..61537,
61434..61538, 63652..63759, 63693..63758

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63601	Strand	-
Start	53680	End	63798
Name	OJ990709_09.9919.C3.o1.tm	Method	TBLASTX:Maize
Start	17076	End	20256
GI	none	Score	76

Exons 17076..17162, 17096..17167, 17343..17465, 17344..17457,
17345..17464, 17568..17702, 17569..17694, 17580..17699,
17765..17842, 17765..17881, 17772..17882, 17971..18072,

17972..18070, 17974..18072, 18249..18344, 18250..18360,
18263..18379, 18388..18531, 18420..18539, 18428..18547,
18430..18555, 18651..18698, 18652..18699, 18811..19056,
18813..19067, 18814..19056, 19141..19323, 19143..19325,
19146..19325, 20161..20256

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63601	Strand	-
Start	53680	End	63798
Name	OJ990709_09.9919.C3.o3.tc	Method	TBLASTX:Cress
Start	17081	End	17819
GI	none	Score	78
Exons	17081..17167, 17091..17162, 17187..17207, 17343..17465, 17344..17454, 17346..17465, 17568..17681, 17569..17661, 17781..17819		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63601	Strand	-
Start	53680	End	63798
Name	OJ990709_09.9919.C3.o1.ts	Method	TBLASTX:Soybean
Start	17090	End	20256
GI	none	Score	70
Exons	17090..17167, 17094..17162, 17187..17207, 17261..17281, 17343..17465, 17344..17454, 17346..17465, 17568..17702, 17568..17702, 17578..17703, 17579..17710, 17767..17850, 17771..17881, 17772..17882, 17971..18072, 17972..18070, 18250..18360, 18251..18379, 18420..18533, 18428..18538, 18431..18544, 18810..19058, 18814..19056, 18870..19064, 19141..19320, 19143..19325, 19146..19325, 20152..20256		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63601	Strand	-
Start	53680	End	63798
Name	OJ990709_09.9919.C3.o2.tc	Method	TBLASTX:Cress
Start	17820	End	20256
GI	none	Score	83
Exons	17820..17882, 17822..17881, 17971..18072, 17972..18070, 17977..18072, 18250..18360, 18251..18379, 18420..18533, 18428..18538, 18819..19058, 18820..19056, 18822..19064, 18838..19065, 19141..19311, 19143..19325, 20161..20256		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63601	Strand	-
Start	53680	End	63798
Name	OJ990709_09.9919.C3.o5.tw	Method	TBLASTX:Wheat
Start	18319	End	18696
GI	none	Score	157
Exons	18319..18345, 18419..18547, 18420..18539, 18427..18558, 18439..18555, 18642..18695, 18649..18696		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63601	Strand	-
Start	53680	End	63798
Name	OJ990709_09.9919.C3.o1.tw	Method	TBLASTX:Wheat
Start	18816	End	19262
GI	none	Score	326
Exons	18816..19067, 18817..19056, 19141..19260, 19143..19262		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63601	Strand	-
Start	53680	End	63798
Name	OJ990709_09.9919.C3.o9.tm	Method	TBLASTX:Maize
Start	22960	End	23716
GI	none	Score	186
Exons	22960..23079, 22962..23069, 23407..23574, 23456..23572, 23456..23575, 23646..23714, 23654..23713, 23660..23716		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63601	Strand	-
Start	53680	End	63798
Name	OJ990709_09.9919.C3.o7.tm	Method	TBLASTX:Maize
Start	24167	End	26131
GI	none	Score	196
Exons	24167..24322, 24167..24331, 24389..24454, 24390..24446, 24618..24698, 24624..24698, 24792..24875, 24793..24870, 24900..25019, 24949..25020, 24955..25020, 25078..25173, 25079..25207, 25089..25181, 25539..25700, 25540..25704, 25540..25701, 25852..25908, 25869..25907, 25870..25908, 25983..26063, 25986..26117, 25988..26065, 26043..26126, 26047..26127, 26051..26131, 26051..26131		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63601	Strand	-
Start	53680	End	63798
Name	OJ990709_09.9919.C3.o4.tm	Method	TBLASTX:Maize
Start	26217	End	27472
GI	none	Score	92
Exons	26217..26315, 26217..26348, 26218..26385, 26245..26385, 26476..26709, 26476..26709, 26483..26713, 27422..27472		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63601	Strand	-
Start	53680	End	63798
Name	OJ990709_09.9919.C3.o2.tm	Method	TBLASTX:Maize
Start	27783	End	28393
GI	none	Score	787
Exons	27783..28391, 27784..28374, 27893..28393, 28139..28393		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63601	Strand	-
Start	53680	End	63798
Name	OJ990709_09.9919.C3.o4.tw	Method	TBLASTX:Wheat
Start	28653	End	29145
GI	none	Score	38
Exons	28653..28679, 28753..28779, 28768..28791, 28774..28836, 28775..28831, 28806..28832, 28824..28901, 28828..28902, 28828..28899, 28878..28901, 28989..29129, 28993..29142, 28994..29137, 29002..29145		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63601	Strand	-
Start	53680	End	63798
Name	OJ990709_09.9919.C3.o10.tm	Method	TBLASTX:Maize
Start	28747	End	29160

GI	none	Score	62
Exons	28747..28824, 28781..28825, 28806..28835, 28855..28899, 28858..28899, 28881..28901, 28992..29129, 28999..29136, 29000..29131, 29002..29160		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63601	Strand	-
Start	53680	End	63798
Name	OJ990709_09.9919.C3.o3.ts	Method	TBLASTX:Soybean
Start	43522	End	60398
GI	none	Score	59
Exons	43522..43572, 43654..43785, 51073..51204, 51239..51286, 53406..53597, 53415..53771, 53436..53750, 53436..53750, 53436..53771, 53442..53744, 53442..53816, 53442..53750, 53472..53741, 53550..53756, 53766..53816, 53769..53837, 53810..53941, 53810..53941, 53810..53941, 53816..53941, 53822..53941, 53822..54151, 53831..53941, 53831..53941, 53993..54448, 53993..54022, 54011..54448, 54037..54444, 54152..54442, 54152..54442, 54152..54448, 54152..54406, 54152..54448, 54196..54387, 54224..54454, 54464..55039, 54479..55045, 54557..55036, 54557..55042, 54581..54826, 54587..55045, 54698..55045, 55025..55186, 55046..55180, 55055..55312, 55067..55177, 55096..55248, 55130..55195, 55153..55212, 55204..55248, 58452..58676, 58467..58793, 58488..58823, 58488..58802, 58488..58802, 58488..58997, 58494..58796, 58494..58997, 58494..58802, 58572..58697, 58623..58826, 58716..58991, 58845..58991, 59031..59159, 59034..59204, 59178..59525, 59219..59470, 59220..59531, 59228..59473, 59232..59390, 59232..59525, 59235..59525, 59235..59531, 59235..59528, 59235..59531, 59292..59537, 59313..59432, 59343..59525, 59547..59615, 59547..59633, 59551..59616, 59562..60053, 59562..60263, 59640..60146, 59655..60218, 59670..60278, 59712..60122, 59726..59974, 59754..59873, 59784..60194, 59808..60272, 59820..60266, 59891..60046, 59922..60398, 60135..60338, 60158..60334, 60302..60397		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63601	Strand	-
Start	53680	End	63798
Name	OJ990709_09.9919.C3.o5.tm	Method	TBLASTX:Maize
Start	53400	End	60188
GI	none	Score	78
Exons	53400..53588, 53403..53666, 53436..53738, 53499..53795, 53532..53624, 53810..53947, 53822..53941, 53960..54058, 53962..54051, 53993..54016, 54050..54550, 54151..54246, 54280..54555, 54289..54555, 54689..54793, 54731..55033, 54791..55045, 58452..58646, 58455..58718, 58488..58790, 58559..58720, 58560..58847, 58620..58820, 58809..58931, 58821..58997, 58851..58991, 59031..59087, 59031..59132, 59037..59126, 59196..59633, 59234..59479, 59466..59630, 59510..59638, 59665..59766, 59670..59972, 59814..60116, 59832..59930, 59889..60188		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63601	Strand	-
Start	53680	End	63798

Name	OJ990709_09.9919.C3.o3.tw	Method	TBLASTX:Wheat
Start	53436	End	60263
GI	none	Score	126
Exons	53436..53624, 53478..53720, 53550..53795, 53882..54151, 54026..54340, 54095..54433, 54260..54442, 54449..54799, 54749..54994, 54917..55045, 58530..58730, 58565..58720, 58602..58847, 58668..58802, 58761..58994, 58842..58895, 59343..59525, 59526..59882, 59853..60077, 59913..59969, 59997..60245, 60153..60263		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63601	Strand	-
Start	53680	End	63798
Name	OJ990709_09.9919.C3.o10.gp	Method	AAT/GAP
Start	53680	End	53924
GI	2797944	Score	464
Exons	53680..53924		

Seq. No.	30747	Seq. ID	OJ990709_09.9919.C3
Gene No.	63601	Strand	-
Start	53680	End	63798
Name	OJ990709_09.9919.C3.o6.tm	Method	TBLASTX:Maize
Start	55496	End	60848
GI	none	Score	337
Exons	55496..55759, 55503..55757, 55504..55758, 60585..60848, 60585..60839, 60707..60841		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63602	Strand	+
Start	1147	End	6791
Name	OJ990709_09.9919.C4.o1.np	Method	AAT/NAP
Start	1147	End	6791
GI	6498441	Score	6775
Exons	1147..2209, 2539..3002, 3066..3439, 3623..3757, 3932..4287, 4480..4847, 5019..6416, 6510..6791		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63603	Strand	+
Start	13851	End	16106
Name	OJ990709_09.9919.C4.o4.np	Method	AAT/NAP
Start	13851	End	16106
GI	484643	Score	38
Exons	13851..13921, 14310..14400, 14443..14520, 16060..16106		
GI Descrip.	proline-rich cell wall protein - carrot gi|470322 (L01775) proline-rich protein [Daucus carota]		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63604	Strand	+
Start	17794	End	21502
Name	OJ990709_09.9919.C4.o4.gs	Method	GENSCAN
Start	17794	End	21502
GI	none	Score	.7
Exons	17794..17909, 18544..18778, 20343..20643, 20847..20909, 21390..21502		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63605	Strand	+
Start	33184	End	37357
Name	OJ990709_09.9919.C4.o7.np	Method	AAT/NAP
Start	33184	End	37357
GI	6522590	Score	1392
Exons	33184..33252, 34054..34946, 35223..36843, 36951..37169, 37218..37357		
GI Descrip.	(AL133292) receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63605	Strand	+
Start	33184	End	37357
Name	OJ990709_09.9919.C4.o9.gs	Method	GENSCAN
Start	34983	End	37354
GI	none	Score	.72
Exons	34983..35817, 36121..36843, 36951..37354		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63606	Strand	+
Start	39927	End	42115
Name	OJ990709_09.9919.C4.o11.gs	Method	GENSCAN
Start	39927	End	41725
GI	none	Score	.69
Exons	39927..41093, 41588..41725		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63606	Strand	+
Start	39927	End	42115
Name	OJ990709_09.9919.C4.o8.np	Method	AAT/NAP
Start	40059	End	42115
GI	6069646	Score	1002
Exons	40059..40870, 41153..42115		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63607	Strand	-
Start	7436	End	16793
Name	OJ990709_09.9919.C4.o2.gs	Method	GENSCAN
Start	7436	End	10672
GI	none	Score	.66
Exons	7436..10672		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63607	Strand	-
Start	7436	End	16793
Name	OJ990709_09.9919.C4.o2.np	Method	AAT/NAP
Start	7439	End	10672
GI	6907089	Score	4188
Exons	7439..9317, 9411..10672		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63607	Strand	-
Start	7436	End	16793
Name	OJ990709_09.9919.C4.o3.np	Method	AAT/NAP
Start	9895	End	12372
GI	5922623	Score	266
Exons	9895..9931, 11515..11590, 11757..11869, 12257..12372		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63607	Strand	-
Start	7436	End	16793
Name	OJ990709_09.9919.C4.o3.gs	Method	GENSCAN
Start	11882	End	16793
GI	none	Score	.47
Exons	11882..11911, 12206..12248, 15756..15843, 16727..16793		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63608	Strand	-
Start	21198	End	21653
Name	OJ990709_09.9919.C4.o1.gp	Method	AAT/GAP
Start	21198	End	21653
GI	4968598	Score	737
Exons	21198..21653		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63609	Strand	-
Start	23197	End	26754
Name	OJ990709_09.9919.C4.o5.np	Method	AAT/NAP
Start	22929	End	26754
GI	6630685	Score	1638
Exons	22929..24574, 26718..26754		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63609	Strand	-
Start	23197	End	26754
Name	OJ990709_09.9919.C4.o5.gs	Method	GENSCAN
Start	23197	End	26505
GI	none	Score	.44
Exons	23197..23294, 23350..24844, 24859..24996, 26473..26505		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63610	Strand	-
Start	28493	End	33092
Name	OJ990709_09.9919.C4.o7.gs	Method	GENSCAN
Start	28493	End	29929
GI	none	Score	.81
Exons	28493..28896, 28951..29929		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63610	Strand	-
Start	28493	End	33092
Name	OJ990709_09.9919.C4.o6.np	Method	AAT/NAP

Start	29176	End	33092
GI	5091513	Score	3134
Exons	29176..29994, 30837..32748, 33062..33092		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63611	Strand	-
Start	33160	End	33406
Name	OJ990709_09.9919.C4.o3.gp	Method	AAT/GAP
Start	33160	End	33406
GI	3761181	Score	421
Exons	33160..33406		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63612	Strand	-
Start	38641	End	39189
Name	OJ990709_09.9919.C4.o10.gs	Method	GENSCAN
Start	38641	End	39189
GI	none	Score	.99
Exons	38641..38834, 39090..39189		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o7.tw	Method	TBLASTX:Wheat
Start	1295	End	1687
GI	none	Score	58
Exons	1295..1342, 1349..1447, 1366..1446, 1414..1653, 1430..1687		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o14.tm	Method	TBLASTX:Maize
Start	1300	End	1585
GI	none	Score	193
Exons	1300..1584, 1337..1585		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o4.tw	Method	TBLASTX:Wheat
Start	2423	End	2906
GI	none	Score	402
Exons	2423..2596, 2424..2906, 2618..2878		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o1.tw	Method	TBLASTX:Wheat
Start	3074	End	3536
GI	none	Score	588
Exons	3074..3535, 3075..3536, 3075..3536		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-

Start	41422	End	45682
Name	OJ990709_09.9919.C4.o7.ts	Method	TBLASTX:Soybean
Start	3114	End	3479
GI	none	Score	117
Exons	3114..3338, 3345..3479		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o5.tm	Method	TBLASTX:Maize
Start	3204	End	3560
GI	none	Score	392
Exons	3204..3560, 3239..3550, 3270..3560		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o7.tm	Method	TBLASTX:Maize
Start	3587	End	3971
GI	none	Score	347
Exons	3587..3952, 3588..3971		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o2.tw	Method	TBLASTX:Wheat
Start	3644	End	4069
GI	none	Score	471
Exons	3644..4069, 3645..4064		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o5.ts	Method	TBLASTX:Soybean
Start	3723	End	4094
GI	none	Score	264
Exons	3723..4094		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o6.tw	Method	TBLASTX:Wheat
Start	4695	End	5153
GI	none	Score	234
Exons	4695..4943, 4719..4943, 4784..4957, 5013..5153, 5015..5152		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o6.ts	Method	TBLASTX:Soybean
Start	4842	End	5408
GI	5666795	Score	68
Exons	4842..4940, 5016..5153, 5208..5408		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-

Start	41422	End	45682
Name	OJ990709_09.9919.C4.o13.tw	Method	TBLASTX:Wheat
Start	5156	End	5468
GI	none	Score	194
Exons	5156..5332, 5169..5357, 5208..5468		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o6.tm	Method	TBLASTX:Maize
Start	5661	End	5984
GI	none	Score	362
Exons	5661..5984, 5678..5971		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o5.tw	Method	TBLASTX:Wheat
Start	5798	End	6179
GI	none	Score	375
Exons	5798..5854, 5799..6179, 5900..6148		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o9.tw	Method	TBLASTX:Wheat
Start	6180	End	6782
GI	none	Score	265
Exons	6180..6464, 6181..6471, 6185..6463, 6320..6490, 6656..6769, 6657..6782		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o4.ts	Method	TBLASTX:Soybean
Start	22917	End	23584
GI	none	Score	74
Exons	22917..23177, 23252..23584, 23289..23480		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o1.tm	Method	TBLASTX:Maize
Start	22947	End	23602
GI	none	Score	156
Exons	22947..23198, 22957..23229, 23231..23602, 23232..23594		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o8.tw	Method	TBLASTX:Wheat
Start	23348	End	23779
GI	none	Score	57
Exons	23348..23605, 23466..23597, 23630..23779		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-

Start	41422	End	45682
Name	OJ990709_09.9919.C4.o13.tm	Method	TBLASTX:Maize
Start	23603	End	23786
GI	none	Score	81
Exons	23603..23773, 23603..23785, 23649..23786		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o2.tm	Method	TBLASTX:Maize
Start	23855	End	24293
GI	none	Score	140
Exons	23855..24232, 23855..24292, 23919..24293		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o1.ts	Method	TBLASTX:Soybean
Start	23955	End	24568
GI	5509260	Score	225
Exons	23955..24212, 23960..24496, 24258..24335, 24265..24462, 24275..24505, 24292..24501, 24509..24568, 24518..24568		
GI Descrip.	-		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o3.tw	Method	TBLASTX:Wheat
Start	23963	End	24440
GI	none	Score	166
Exons	23963..24310, 23968..24171, 23969..24316, 24317..24343, 24356..24439, 24360..24440		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o2.tc	Method	TBLASTX:Cress
Start	24074	End	24334
GI	none	Score	234
Exons	24074..24334		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o1.tc	Method	TBLASTX:Cress
Start	34174	End	45442
GI	none	Score	84
Exons	34174..34458, 34180..34521, 34186..34275, 34216..34530, 34216..34530, 34216..34536, 34216..34377, 34222..34548, 34351..34530, 34393..34524, 34551..34745, 34560..34760, 34560..34742, 34560..34670, 34566..34754, 34578..34742, 34647..34754, 34755..35036, 34758..35105, 34767..35177, 34779..35042, 34824..35081, 34842..35240, 34851..35153, 34866..35231, 35022..35246, 35022..35183, 35274..35555, 35280..35342, 35355..35543, 35355..35543, 35364..35567, 35376..35705, 35379..35558, 35379..35474, 35379..35558, 35385..35549, 35574..35696, 35577..35738, 35577..35687,		

35583..36050, 35589..35738, 35703..35981, 35709..35879,
35709..36050, 35718..35912, 35718..35981, 35727..35972,
35730..35954, 35733..36044, 35763..35984, 35781..35951,
35805..36044, 35861..35971, 35874..36044, 35916..36044,
36324..36422, 36453..36842, 36554..36589, 36680..36841,
36949..37074, 36950..37039, 42584..42673, 42747..42929,
42779..43168, 43020..43067, 43205..43396, 43373..43990,
43577..43924, 43580..44110, 43607..43846, 43655..44284,
43655..44056, 43656..43760, 43727..44149, 43799..44206,
43800..43895, 43853..44263, 43868..44263, 43943..44278,
44006..44263, 44045..44323, 44159..44293, 44282..44386,
44511..44690, 44528..44698, 44528..44875, 44528..44683,
44528..44683, 44528..44683, 44528..44698, 44693..44845,
44699..44920, 44733..44858, 44882..45061, 44888..45085,
44894..45130, 44894..45103, 44894..45097, 44894..45091,
44895..45074, 44912..45076, 45080..45433, 45098..45199,
45254..45442, 45257..45439

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o2.ts	Method	TBLASTX:Soybean
Start	34195	End	45445
GI	none	Score	167

Exons 34195..34548, 34216..34530, 34216..34530, 34216..34446,
34216..34521, 34354..34548, 34354..34548, 34371..34529,
34465..34545, 34512..34754, 34551..34667, 34551..34742,
34557..34739, 34557..34754, 34560..34742, 34560..34742,
34574..34756, 34623..34742, 34758..34886, 34758..35240,
34758..35240, 34770..35261, 34836..35240, 34905..35246,
35021..35239, 35021..35176, 35247..35345, 35366..35500,
35367..35543, 35376..35480, 35376..35555, 35379..35621,
35490..35570, 35543..35719, 35577..35696, 35577..35738,
35583..35759, 35592..35738, 35619..35693, 35709..36044,
35709..36113, 35718..36047, 35718..36047, 35916..36044,
43535..43648, 43583..44143, 43583..44074, 43586..44290,
43637..43768, 43800..44027, 43863..44045, 44084..44263,
44088..44120, 44157..44282, 44525..44683, 44528..44698,
44528..44647, 44528..44695, 44744..44812, 44882..45085,
44882..45106, 44888..45085, 44894..45076, 44894..45097,
44894..45085, 44894..45085, 44894..45022, 44969..45103,
45086..45196, 45098..45439, 45104..45439, 45104..45196,
45116..45445

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o9.tm	Method	TBLASTX:Maize
Start	34195	End	45439
GI	none	Score	172

Exons 34195..34548, 34216..34530, 34216..34548, 34216..34503,
34267..34548, 34371..34448, 34510..34557, 34512..34742,
34512..34754, 34551..34742, 34560..34742, 34560..34742,
34577..34756, 34632..34745, 34758..35231, 34758..35246,
34779..35270, 34779..35204, 34833..35246, 34911..35267,
35021..35239, 35256..35351, 35355..35558, 35367..35555,
35376..35561, 35379..35558, 35379..35558, 35379..35561,

35385..35525, 35436..35570, 35574..35696, 35577..35696,
35577..35696, 35577..35738, 35706..36044, 35715..36044,
35718..35954, 35733..35984, 35853..36044, 43580..43921,
43583..44197, 43583..44062, 43604..44281, 43676..44290,
43817..44284, 43941..44165, 44282..44377, 44452..44517,
44525..44698, 44525..44647, 44528..44686, 44528..44683,
44528..44683, 44687..44842, 44882..45106, 44894..45085,
44894..45085, 44897..45085, 45081..45209, 45083..45439,
45086..45367, 45104..45439, 45134..45418, 45183..45269

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o11.tw	Method	TBLASTX:Wheat
Start	34360	End	45439
GI	none	Score	96

Exons 34360..34548, 34396..34524, 34578..34724, 34770..34973,
34914..35132, 35022..35189, 35250..35558, 35261..35536,
35577..35696, 35583..35738, 35625..35678, 35727..35834,
43583..43774, 43844..44074, 44036..44383, 44085..44318,
44984..45085, 45104..45196, 45186..45341, 45245..45439

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o10.tm	Method	TBLASTX:Maize
Start	36286	End	43309
GI	none	Score	311

Exons 36286..36525, 36291..36548, 36300..36545, 36310..36549,
43073..43309, 43074..43280

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o3.ts	Method	TBLASTX:Soybean
Start	36288	End	43309
GI	none	Score	207

Exons 36288..36596, 36609..36842, 36713..36841, 36949..37143,
36950..37174, 42485..42673, 42534..42644, 42779..43021,
42780..42920, 43022..43309, 43032..43091, 43209..43280

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o10.tw	Method	TBLASTX:Wheat
Start	36345	End	43216
GI	none	Score	65

Exons 36345..36398, 36405..36764, 42857..43216

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o3.tm	Method	TBLASTX:Maize
Start	36716	End	42905
GI	none	Score	184

Exons 36716..36841, 36717..36842, 36949..37146, 36950..37138,
37232..37300, 42368..42460, 42369..42473, 42447..42674,

42469..42678, 42482..42673, 42768..42887, 42779..42904, 42780..42905

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o8.tm	Method	TBLASTX:Maize
Start	39951	End	40397
GI	none	Score	83
Exons	39951..40025, 40032..40313, 40067..40273, 40296..40397		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o15.tw	Method	TBLASTX:Wheat
Start	39963	End	40298
GI	none	Score	95
Exons	39963..40103, 40092..40298		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o14.tw	Method	TBLASTX:Wheat
Start	40305	End	40601
GI	none	Score	194
Exons	40305..40601, 40325..40558		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o4.tm	Method	TBLASTX:Maize
Start	40398	End	41090
GI	none	Score	461
Exons	40398..41090, 40713..40946		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o12.tw	Method	TBLASTX:Wheat
Start	40725	End	41165
GI	none	Score	160
Exons	40725..41027, 41040..41165		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o12.tm	Method	TBLASTX:Maize
Start	41091	End	41369
GI	none	Score	204
Exons	41091..41369		

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o9.np	Method	AAT/NAP
Start	41422	End	45682
GI	2130082	Score	1406

Exons	41422..41467, 42342..42672, 42778..44408, 44688..45682
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133) receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi|1586408|prf||2203451A receptor kinase-like protein [Oryza sativa]

Seq. No.	30748	Seq. ID	OJ990709_09.9919.C4
Gene No.	63613	Strand	-
Start	41422	End	45682
Name	OJ990709_09.9919.C4.o11.tm	Method	TBLASTX:Maize
Start	41511	End	42092
GI	none	Score	278
Exons	41511..42092, 41663..41848, 41697..42020		

Seq. No.	30749	Seq. ID	OJ990709_09.9919.C5
Gene No.	63614	Strand	+
Start	3140	End	6354
Name	OJ990709_09.9919.C5.o3.tm	Method	TBLASTX:Maize
Start	1126	End	1935
GI	none	Score	99
Exons	1126..1197, 1281..1403, 1281..1400, 1282..1434, 1282..1410, 1286..1405, 1288..1437, 1289..1393, 1293..1403, 1294..1455, 1296..1448, 1297..1449, 1297..1446, 1303..1422, 1317..1355, 1384..1476, 1384..1476, 1438..1530, 1438..1632, 1438..1530, 1471..1617, 1477..1632, 1479..1622, 1510..1611, 1511..1621, 1511..1633, 1514..1633, 1559..1597, 1679..1771, 1679..1816, 1679..1765, 1681..1770, 1681..1779, 1681..1776, 1685..1777, 1828..1935, 1828..1926, 1829..1918, 1834..1929, 1835..1915, 1835..1927, 1841..1924		

Seq. No.	30749	Seq. ID	OJ990709_09.9919.C5
Gene No.	63614	Strand	+
Start	3140	End	6354
Name	OJ990709_09.9919.C5.o1.np	Method	AAT/NAP
Start	3140	End	6354
GI	6522540	Score	1322
Exons	3140..3883, 4187..6354		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		

Seq. No.	30749	Seq. ID	OJ990709_09.9919.C5
Gene No.	63614	Strand	+
Start	3140	End	6354
Name	OJ990709_09.9919.C5.o1.tc	Method	TBLASTX:Cress
Start	3341	End	5974
GI	none	Score	106
Exons	3341..3556, 3344..3691, 3347..3487, 3356..3526, 3356..3619, 3377..3694, 3383..3697, 3383..3631, 3389..3691, 3407..3598, 3482..3928, 3551..3709, 3560..3610, 3710..3925, 3725..3901, 3740..3826, 3782..3844, 3923..4204, 3929..4111, 3932..4369, 3941..3991, 3941..4417, 3956..4417, 4013..4417, 4055..4366, 4079..4135, 4127..4465, 4220..4417, 4382..4417, 4451..4495, 4451..4495, 4532..4699, 4550..5155, 4550..5155, 4553..4882, 4553..4729, 4571..4873, 4589..5155, 4664..4852, 4670..4780, 4754..4915, 4781..5086, 4789..4866, 4832..4942, 4853..5152, 4877..5008, 4931..5155, 4970..5008, 5528..5632, 5648..5797, 5860..5967, 5900..5974		

Seq. No.	30749	Seq. ID	OJ990709_09.9919.C5
Gene No.	63614	Strand	+
Start	3140	End	6354
Name	OJ990709_09.9919.C5.o1.ts	Method	TBLASTX:Soybean
Start	3341	End	5286
GI	none	Score	218
Exons	3341..3691, 3341..3691, 3341..3673, 3356..3607, 3458..3685, 3482..3736, 3548..3679, 3710..3901, 3719..3901, 3719..3901, 3719..3901, 3719..3898, 3730..3900, 3773..3931, 3775..3915, 3920..4267, 3923..4411, 3923..4411, 3965..4411, 3965..4345, 4013..4417, 4076..4417, 4160..4294, 4433..4495, 4433..4495, 4541..5008, 4547..4780, 4550..5005, 4553..4939, 4553..5011, 4555..4650, 4601..5008, 4621..4719, 4661..5152, 4799..4870, 4831..4953, 4984..5022, 4990..5226, 5072..5152, 5075..5152, 5101..5286		

Seq. No.	30749	Seq. ID	OJ990709_09.9919.C5
Gene No.	63614	Strand	+
Start	3140	End	6354
Name	OJ990709_09.9919.C5.o1.tm	Method	TBLASTX:Maize
Start	3344	End	5149
GI	none	Score	150
Exons	3344..3607, 3377..3673, 3449..3736, 3509..3709, 3686..3775, 3719..3970, 3740..3961, 3929..4036, 3929..4030, 4103..4495, 4120..4488, 4189..4365, 4550..4717, 4556..4852, 4700..5005, 4847..5149, 4865..4963		

Seq. No.	30749	Seq. ID	OJ990709_09.9919.C5
Gene No.	63614	Strand	+
Start	3140	End	6354
Name	OJ990709_09.9919.C5.o2.tw	Method	TBLASTX:Wheat
Start	3401	End	5152
GI	none	Score	132
Exons	3401..3607, 3708..3761, 3764..3928, 3818..3901, 3992..4195, 4067..4267, 4139..4351, 4283..4417, 4433..4495, 4553..4717, 4565..4723, 4583..4771, 4637..4789, 4649..4819, 4793..5005, 4880..5011, 5072..5152		

Seq. No.	30749	Seq. ID	OJ990709_09.9919.C5
Gene No.	63614	Strand	+
Start	3140	End	6354
Name	OJ990709_09.9919.C5.o2.tm	Method	TBLASTX:Maize
Start	5480	End	5740
GI	none	Score	343
Exons	5480..5740, 5480..5740		

Seq. No.	30749	Seq. ID	OJ990709_09.9919.C5
Gene No.	63614	Strand	+
Start	3140	End	6354
Name	OJ990709_09.9919.C5.o2.ts	Method	TBLASTX:Soybean
Start	5495	End	6336
GI	none	Score	224
Exons	5495..5734, 5495..5701, 5810..6010, 5838..5960, 5861..5962, 5863..5967, 6238..6336		

Seq. No.	30749	Seq. ID	OJ990709_09.9919.C5

Gene No.	63614	Strand	+
Start	3140	End	6354
Name	OJ990709_09.9919.C5.o1.tw	Method	TBLASTX:Wheat
Start	5654	End	6040
GI	none	Score	180
Exons	5654..6040		

Seq. No.	30749	Seq. ID	OJ990709_09.9919.C5
Gene No.	63614	Strand	+
Start	3140	End	6354
Name	OJ990709_09.9919.C5.o2.np	Method	AAT/NAP
Start	6112	End	6176
GI	4680216	Score	79
Exons	6112..6176		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	30750	Seq. ID	OJ990709_09.9919.C6
Gene No.	63615	Strand	+
Start	1	End	967
Name	OJ990709_09.9919.C6.o1.np	Method	AAT/NAP
Start	1	End	967
GI	5091513	Score	1383
Exons	1..967		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	30751	Seq. ID	OJ990709_09.9919.C7
Gene No.	63616	Strand	+
Start	183	End	368
Name	OJ990709_09.9919.C7.o1.gs	Method	GENSCAN
Start	183	End	368
GI	none	Score	.7
Exons	183..368		

Seq. No.	30752	Seq. ID	OJ990419_03.9919.C3
Gene No.	63617	Strand	-
Start	135	End	266
Name	OJ990419_03.9919.C3.o1.gs	Method	GENSCAN
Start	135	End	266
GI	none	Score	.85
Exons	135..266		

Seq. No.	30753	Seq. ID	OJ990419_03.9919.C4
Gene No.	63618	Strand	-
Start	96	End	702
Name	OJ990419_03.9919.C4.o1.gs	Method	GENSCAN
Start	96	End	161
GI	none	Score	.65
Exons	96..161		

Seq. No.	30753	Seq. ID	OJ990419_03.9919.C4
Gene No.	63618	Strand	-
Start	96	End	702
Name	OJ990419_03.9919.C4.o1.tm	Method	TBLASTX:Maize
Start	96	End	400
GI	none	Score	89
Exons	96..170, 96..173, 97..174, 98..175, 98..175, 253..396, 256..399, 257..400, 257..400		

Seq. No.	30753	Seq. ID	OJ990419_03.9919.C4
Gene No.	63618	Strand	-
Start	96	End	702
Name	OJ990419_03.9919.C4.o1.np	Method	AAT/NAP
Start	96	End	702
GI	6403497	Score	502
Exons	96..174, 257..401, 499..702		
GI Descrip.	(AC010871) unknown protein [Arabidopsis thaliana]		

Seq. No.	30753	Seq. ID	OJ990419_03.9919.C4
Gene No.	63618	Strand	-
Start	96	End	702
Name	OJ990419_03.9919.C4.o1.ts	Method	TBLASTX:Soybean
Start	246	End	653
GI	none	Score	84
Exons	246..377, 253..396, 256..402, 257..403, 499..522, 500..652, 501..653		

Seq. No.	30754	Seq. ID	OJ990419_03.9919.C8
Gene No.	63619	Strand	+
Start	397	End	697
Name	OJ990419_03.9919.C8.o1.gp	Method	AAT/GAP
Start	397	End	697
GI	2309687	Score	332
Exons	397..508, 608..697		

Seq. No.	30754	Seq. ID	OJ990419_03.9919.C8
Gene No.	63619	Strand	+
Start	397	End	697
Name	OJ990419_03.9919.C8.o1.gs	Method	GENSCAN
Start	412	End	697
GI	none	Score	.9
Exons	412..508, 608..697		

Seq. No.	30755	Seq. ID	OJ990419_03.9919.C9
Gene No.	63620	Strand	+
Start	1	End	1130
Name	OJ990419_03.9919.C9.o1.np	Method	AAT/NAP
Start	1	End	1130
GI	2501231	Score	320
Exons	1..25, 429..468, 564..723, 823..891, 1035..1130		
GI Descrip.	HYPOTHETICAL 38.1 KD PROTEIN gi|99505|pir||S24930 hypothetical protein - pink corydalis gi|18258|emb|CAA45139| (X63595) protein of unknown function [Corydalis sempervirens] gi|444333|prf||1906382A pCSC71 protein [Corydalis sempervirens]		

Seq. No.	30755	Seq. ID	OJ990419_03.9919.C9
Gene No.	63620	Strand	+
Start	1	End	1130
Name	OJ990419_03.9919.C9.o1.ts	Method	TBLASTX:Soybean
Start	428	End	1127
GI	none	Score	54
Exons	428..469, 430..459, 561..707, 562..723, 793..882, 822..890, 1041..1127		

Seq. No.	30755	Seq. ID	OJ990419_03.9919.C9

Gene No.	63620	Strand	+
Start	1	End	1130
Name	OJ990419_03.9919.C9.o1.tm	Method	TBLASTX:Maize
Start	430	End	1124
GI	none	Score	54
Exons	430..468, 431..469, 561..704, 562..723, 562..723, 751..891, 822..890, 1035..1124, 1068..1124		

Seq. No.	30755	Seq. ID	OJ990419_03.9919.C9
Gene No.	63620	Strand	+
Start	1	End	1130
Name	OJ990419_03.9919.C9.o1.gs	Method	GENSCAN
Start	464	End	723
GI	none	Score	.96
Exons	464..468, 564..723		

Seq. No.	30755	Seq. ID	OJ990419_03.9919.C9
Gene No.	63620	Strand	+
Start	1	End	1130
Name	OJ990419_03.9919.C9.o1.tc	Method	TBLASTX:Cress
Start	561	End	1121
GI	none	Score	180
Exons	561..707, 562..723, 793..891, 822..887, 1031..1108, 1035..1121		

Seq. No.	30755	Seq. ID	OJ990419_03.9919.C9
Gene No.	63620	Strand	+
Start	1	End	1130
Name	OJ990419_03.9919.C9.o1.tw	Method	TBLASTX:Wheat
Start	561	End	891
GI	none	Score	196
Exons	561..704, 562..723, 568..723, 793..891, 822..887		

Seq. No.	30756	Seq. ID	OJ990419_03.9919.C10
Gene No.	63621	Strand	-
Start	253	End	598
Name	OJ990419_03.9919.C10.o1.gs	Method	GENSCAN
Start	253	End	401
GI	none	Score	.85
Exons	253..401		

Seq. No.	30756	Seq. ID	OJ990419_03.9919.C10
Gene No.	63621	Strand	-
Start	253	End	598
Name	OJ990419_03.9919.C10.o1.np	Method	AAT/NAP
Start	253	End	598
GI	5922623	Score	82
Exons	253..328, 496..598		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	30757	Seq. ID	OJ990419_03.9919.C12
Gene No.	63622	Strand	+
Start	13	End	208
Name	OJ990419_03.9919.C12.o1.gs	Method	GENSCAN
Start	13	End	208
GI	none	Score	.93

Exons	13..208		
Seq. No.	30758	Seq. ID	OJ990419_03.9919.C14
Gene No.	63623	Strand	-
Start	442	End	702
Name	OJ990419_03.9919.C14.o1.gs	Method	GENSCAN
Start	442	End	702
GI	none	Score	.76
Exons	442..702		
Seq. No.	30759	Seq. ID	OJ990419_03.9919.C16
Gene No.	63624	Strand	+
Start	1	End	249
Name	OJ990419_03.9919.C16.o1.gp	Method	AAT/GAP
Start	1	End	249
GI	101153_1.R1084	Score	410
Exons	1..249		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	30760	Seq. ID	OJ990419_03.9919.C17
Gene No.	63625	Strand	-
Start	1	End	488
Name	OJ990419_03.9919.C17.o1.np	Method	AAT/NAP
Start	1	End	488
GI	4680341	Score	204
Exons	1..83, 264..488		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		
Seq. No.	30760	Seq. ID	OJ990419_03.9919.C17
Gene No.	63625	Strand	-
Start	1	End	488
Name	OJ990419_03.9919.C17.o1.tw	Method	TBLASTX:Wheat
Start	133	End	375
GI	none	Score	74
Exons	133..261, 139..204, 140..316, 275..328, 276..374, 276..374, 277..375, 325..375, 325..360		
Seq. No.	30761	Seq. ID	OJ990419_03.9919.C18
Gene No.	63626	Strand	+
Start	1	End	822
Name	OJ990419_03.9919.C18.o1.np	Method	AAT/NAP
Start	1	End	822
GI	4416302	Score	887
Exons	1..822		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		
Seq. No.	30761	Seq. ID	OJ990419_03.9919.C18
Gene No.	63626	Strand	+
Start	1	End	822
Name	OJ990419_03.9919.C18.o1.gs	Method	GENSCAN
Start	64	End	822
GI	none	Score	.67
Exons	64..822		
Seq. No.	30761	Seq. ID	OJ990419_03.9919.C18
Gene No.	63627	Strand	-

Start	1	End	3237
Name	OJ990419_03.9919.C18.o3.np	Method	AAT/NAP
Start	1	End	3237
GI	1279693	Score	158
Exons	1..32, 2541..2858, 3164..3237		
GI Descrip.	(X92971) translocation elongation factor [Saccharomyces cerevisiae]		

Seq. No.	30761	Seq. ID	OJ990419_03.9919.C18
Gene No.	63627	Strand	-
Start	1	End	3237
Name	OJ990419_03.9919.C18.o2.tw	Method	TBLASTX:Wheat
Start	10	End	294
GI	none	Score	76
Exons	10..117, 30..107, 142..294, 153..206		

Seq. No.	30761	Seq. ID	OJ990419_03.9919.C18
Gene No.	63627	Strand	-
Start	1	End	3237
Name	OJ990419_03.9919.C18.o1.tm	Method	TBLASTX:Maize
Start	145	End	801
GI	none	Score	747
Exons	145..801, 153..791		

Seq. No.	30761	Seq. ID	OJ990419_03.9919.C18
Gene No.	63627	Strand	-
Start	1	End	3237
Name	OJ990419_03.9919.C18.o1.ts	Method	TBLASTX:Soybean
Start	163	End	831
GI	none	Score	287
Exons	163..552, 267..509, 571..831, 585..755		

Seq. No.	30761	Seq. ID	OJ990419_03.9919.C18
Gene No.	63627	Strand	-
Start	1	End	3237
Name	OJ990419_03.9919.C18.o1.tw	Method	TBLASTX:Wheat
Start	301	End	756
GI	none	Score	119
Exons	301..561, 565..756, 580..756		

Seq. No.	30761	Seq. ID	OJ990419_03.9919.C18
Gene No.	63627	Strand	-
Start	1	End	3237
Name	OJ990419_03.9919.C18.o1.tc	Method	TBLASTX:Cress
Start	436	End	801
GI	none	Score	89
Exons	436..567, 556..801		

Seq. No.	30761	Seq. ID	OJ990419_03.9919.C18
Gene No.	63627	Strand	-
Start	1	End	3237
Name	OJ990419_03.9919.C18.o2.np	Method	AAT/NAP
Start	636	End	2282
GI	3913181	Score	173
Exons	636..681, 2050..2282		
GI Descrip.	CINNAMYL-ALCOHOL DEHYDROGENASE (CAD) gi|2388662 (AF010290) cinnamyl alcohol dehydrogenase [Lolium perenne]		

Seq. No.	30761	Seq. ID	OJ990419_03.9919.C18
Gene No.	63627	Strand	-
Start	1	End	3237
Name	OJ990419_03.9919.C18.o2.gs	Method	GENSCAN
Start	2008	End	2816
GI	none	Score	.56
Exons	2008..2354, 2471..2816		

Seq. No.	30762	Seq. ID	OJ990419_03.9919.C19
Gene No.	63628	Strand	-
Start	1	End	530
Name	OJ990419_03.9919.C19.o1.np	Method	AAT/NAP
Start	1	End	530
GI	3913181	Score	184
Exons	1..21, 282..437, 489..530		
GI Descrip.	CINNAMYL-ALCOHOL DEHYDROGENASE (CAD) gi|2388662 (AF010290) cinnamyl alcohol dehydrogenase [Lolium perenne]		

Seq. No.	30762	Seq. ID	OJ990419_03.9919.C19
Gene No.	63628	Strand	-
Start	1	End	530
Name	OJ990419_03.9919.C19.o1.gs	Method	GENSCAN
Start	195	End	479
GI	none	Score	.65
Exons	195..479		

Seq. No.	30763	Seq. ID	OJ990419_03.9919.C20
Gene No.	63629	Strand	+
Start	1048	End	6379
Name	OJ990419_03.9919.C20.o1.gs	Method	GENSCAN
Start	1048	End	4492
GI	none	Score	.87
Exons	1048..1090, 1556..1682, 1799..1985, 2850..3062, 3299..3416, 3497..3720, 4076..4492		

Seq. No.	30763	Seq. ID	OJ990419_03.9919.C20
Gene No.	63629	Strand	+
Start	1048	End	6379
Name	OJ990419_03.9919.C20.o2.gp	Method	AAT/GAP
Start	1758	End	1988
GI	3060997	Score	444
Exons	1758..1988		

Seq. No.	30763	Seq. ID	OJ990419_03.9919.C20
Gene No.	63629	Strand	+
Start	1048	End	6379
Name	OJ990419_03.9919.C20.o1.np	Method	AAT/NAP
Start	1801	End	6379
GI	2809246	Score	657
Exons	1801..1981, 2720..3062, 3299..3416, 3497..3720, 4076..4321, 6328..6379		
GI Descrip.	(AC002560) F24O1.15 [Arabidopsis thaliana]		

Seq. No.	30763	Seq. ID	OJ990419_03.9919.C20
Gene No.	63629	Strand	+
Start	1048	End	6379

Name	OJ990419_03.9919.C20.o2.np	Method	AAT/NAP
Start	3952	End	5159
GI	5777617	Score	77
Exons	3952..4114, 5016..5159		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	30763	Seq. ID	OJ990419_03.9919.C20
Gene No.	63629	Strand	+
Start	1048	End	6379
Name	OJ990419_03.9919.C20.o3.gp	Method	AAT/GAP
Start	4343	End	4824
GI	none	Score	895
Exons	4343..4824		

Seq. No.	30763	Seq. ID	OJ990419_03.9919.C20
Gene No.	63630	Strand	+
Start	8032	End	9928
Name	OJ990419_03.9919.C20.o3.gs	Method	GENSCAN
Start	8032	End	9928
GI	none	Score	.8
Exons	8032..8059, 8142..8188, 8329..8430, 9383..9457, 9744..9928		

Seq. No.	30763	Seq. ID	OJ990419_03.9919.C20
Gene No.	63631	Strand	-
Start	146	End	582
Name	OJ990419_03.9919.C20.o1.gp	Method	AAT/GAP
Start	146	End	582
GI	3162_1.R1084	Score	771
Exons	146..582		
GI Descrip.	'5919219/gb|AAD56248.1|AF186273_1 4.0e-24 (AF186273) leucine-rich repeats containing F-box protein FBL3 [Homo sapiens]'		

Seq. No.	30763	Seq. ID	OJ990419_03.9919.C20
Gene No.	63632	Strand	-
Start	4837	End	10018
Name	OJ990419_03.9919.C20.o1.tm	Method	TBLASTX:Maize
Start	2721	End	4267
GI	none	Score	126
Exons	2721..2882, 3296..3421, 3296..3415, 3490..3723, 3496..3720, 3498..3722, 4076..4267, 4081..4239		

Seq. No.	30763	Seq. ID	OJ990419_03.9919.C20
Gene No.	63632	Strand	-
Start	4837	End	10018
Name	OJ990419_03.9919.C20.o1.ts	Method	TBLASTX:Soybean
Start	2946	End	4237
GI	none	Score	86
Exons	2946..3035, 3292..3417, 3299..3415, 3490..3723, 3498..3722, 4076..4237, 4081..4236		

Seq. No.	30763	Seq. ID	OJ990419_03.9919.C20
Gene No.	63632	Strand	-
Start	4837	End	10018
Name	OJ990419_03.9919.C20.o1.tc	Method	TBLASTX:Cress
Start	3295	End	3684
GI	none	Score	124

Exons	3295..3417, 3296..3421, 3486..3662, 3490..3684		
Seq. No.	30763	Seq. ID	OJ990419_03.9919.C20
Gene No.	63632	Strand	-
Start	4837	End	10018
Name	OJ990419_03.9919.C20.o1.tw	Method	TBLASTX:Wheat
Start	3594	End	4252
GI	none	Score	144
Exons	3594..3722, 3595..3723, 4076..4252, 4079..4240, 4081..4251		
Seq. No.	30763	Seq. ID	OJ990419_03.9919.C20
Gene No.	63632	Strand	-
Start	4837	End	10018
Name	OJ990419_03.9919.C20.o2.gs	Method	GENSCAN
Start	4837	End	7535
GI	none	Score	.49
Exons	4837..4845, 5282..5579, 5913..6075, 6431..6558, 7054..7093, 7176..7334, 7457..7535		
Seq. No.	30763	Seq. ID	OJ990419_03.9919.C20
Gene No.	63632	Strand	-
Start	4837	End	10018
Name	OJ990419_03.9919.C20.o3.np	Method	AAT/NAP
Start	5160	End	10018
GI	6006372	Score	74
Exons	5160..5413, 9945..10018		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		
Seq. No.	30764	Seq. ID	OJ990419_03.9919.C21
Gene No.	63633	Strand	+
Start	1	End	2894
Name	OJ990419_03.9919.C21.o1.np	Method	AAT/NAP
Start	1	End	1670
GI	5748520	Score	57
Exons	1..70, 1309..1670		
GI Descrip.	(AL035071) dJ1085F17.1.3 (ortholog of mouse DNMT3B (DNA Cytosine-5 Methyltransferase 3B3) (isoform 3)) [Homo sapiens] gi|5823166|gb|AAD53062.1|AF156487_1 (AF156487) DNA cytosine-5 methyltransferase 3 beta 3 [Homo sapiens]		
Seq. No.	30764	Seq. ID	OJ990419_03.9919.C21
Gene No.	63633	Strand	+
Start	1	End	2894
Name	OJ990419_03.9919.C21.o1.gs	Method	GENSCAN
Start	131	End	2894
GI	none	Score	.58
Exons	131..315, 575..748, 1210..1695, 2801..2894		
Seq. No.	30764	Seq. ID	OJ990419_03.9919.C21
Gene No.	63634	Strand	+
Start	5045	End	6107
Name	OJ990419_03.9919.C21.o3.gs	Method	GENSCAN
Start	5045	End	6093
GI	none	Score	.99
Exons	5045..5671, 5725..6093		
Seq. No.	30764	Seq. ID	OJ990419_03.9919.C21

Gene No.	63634	Strand	+
Start	5045	End	6107
Name	OJ990419_03.9919.C21.o3.np	Method	AAT/NAP
Start	5069	End	6107
GI	4454039	Score	428
Exons	5069..6107		
GI Descrip.	(AL035394) putative Na+/H+-exchanging protein [Arabidopsis thaliana]		

Seq. No.	30764	Seq. ID	OJ990419_03.9919.C21
Gene No.	63635	Strand	-
Start	1	End	5587
Name	OJ990419_03.9919.C21.o2.np	Method	AAT/NAP
Start	1	End	5587
GI	4680341	Score	623
Exons	1..28, 2367..2432, 2733..3092, 3151..3234, 3260..3538, 5216..5587		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	30764	Seq. ID	OJ990419_03.9919.C21
Gene No.	63635	Strand	-
Start	1	End	5587
Name	OJ990419_03.9919.C21.o1.tm	Method	TBLASTX:Maize
Start	200	End	814
GI	none	Score	608
Exons	200..661, 200..655, 220..660, 682..810, 683..814		

Seq. No.	30764	Seq. ID	OJ990419_03.9919.C21
Gene No.	63635	Strand	-
Start	1	End	5587
Name	OJ990419_03.9919.C21.o1.tc	Method	TBLASTX:Cress
Start	400	End	784
GI	none	Score	187
Exons	400..612, 401..613, 704..784		

Seq. No.	30764	Seq. ID	OJ990419_03.9919.C21
Gene No.	63635	Strand	-
Start	1	End	5587
Name	OJ990419_03.9919.C21.o1.ts	Method	TBLASTX:Soybean
Start	553	End	1690
GI	none	Score	202
Exons	553..813, 554..757, 731..814, 1222..1467, 1223..1465, 1390..1557, 1451..1690, 1545..1625		

Seq. No.	30764	Seq. ID	OJ990419_03.9919.C21
Gene No.	63635	Strand	-
Start	1	End	5587
Name	OJ990419_03.9919.C21.o2.tm	Method	TBLASTX:Maize
Start	1315	End	1699
GI	none	Score	548
Exons	1315..1698, 1316..1699, 1319..1699		

Seq. No.	30764	Seq. ID	OJ990419_03.9919.C21
Gene No.	63635	Strand	-
Start	1	End	5587
Name	OJ990419_03.9919.C21.o1.tw	Method	TBLASTX:Wheat
Start	2420	End	3913

GI	none	Score	47
Exons	2420..2458, 2442..2501, 2452..2514, 2456..2503, 2602..2730, 2608..2673, 2609..2785, 2744..2797, 2745..2843, 2745..2843, 2746..2844, 2794..2844, 3832..3870, 3854..3913		

Seq. No.	30764	Seq. ID	OJ990419_03.9919.C21
Gene No.	63635	Strand	-
Start	1	End	5587
Name	OJ990419_03.9919.C21.o2.gs	Method	GENSCAN
Start	3050	End	3556
GI	none	Score	1
Exons	3050..3556		

Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63636	Strand	+
Start	60	End	944
Name	OJ990419_03.9919.C22.o1.gs	Method	GENSCAN
Start	60	End	944
GI	none	Score	.89
Exons	60..944		

Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63637	Strand	+
Start	2246	End	8754
Name	OJ990419_03.9919.C22.o2.gs	Method	GENSCAN
Start	2246	End	8754
GI	none	Score	.67
Exons	2246..2476, 3093..3148, 4249..4363, 4560..4670, 6577..6764, 7355..7514, 8427..8579, 8749..8754		

Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63637	Strand	+
Start	2246	End	8754
Name	OJ990419_03.9919.C22.o1.np	Method	AAT/NAP
Start	2270	End	7920
GI	2501231	Score	634
Exons	2270..2351, 2406..2476, 3093..3148, 4249..4363, 4560..4670, 6577..6764, 7200..7259, 7355..7514, 7613..7681, 7825..7920		
GI Descrip.	HYPOTHETICAL 38.1 KD PROTEIN gi|99505|pir||S24930 hypothetical protein - pink corydalis gi|18258|emb|CAA45139| (X63595) protein of unknown function [Corydalis sempervirens] gi|444333|prf||1906382A pCSC71 protein [Corydalis sempervirens]		

Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63638	Strand	+
Start	14908	End	15274
Name	OJ990419_03.9919.C22.o1.gp	Method	AAT/GAP
Start	14908	End	15274
GI	none	Score	730
Exons	14908..15274		

Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63639	Strand	-
Start	9236	End	14481
Name	OJ990419_03.9919.C22.o3.gs	Method	GENSCAN
Start	9236	End	11173
GI	none	Score	1

Exons	9236..11173		
Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63639	Strand	-
Start	9236	End	14481
Name	OJ990419_03.9919.C22.o2.np	Method	AAT/NAP
Start	9239	End	12296
GI	6403507	Score	1590
Exons	9239..10969, 12276..12296		
GI Descrip.	(AC010871) unknown protein [Arabidopsis thaliana] gi|6714383|gb|AAF26073.1|AC012562_28 (AC012562) unknown protein [Arabidopsis thaliana]		
Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63639	Strand	-
Start	9236	End	14481
Name	OJ990419_03.9919.C22.o3.np	Method	AAT/NAP
Start	9936	End	14481
GI	6016696	Score	354
Exons	9936..9959, 11620..11861, 12183..12323, 12393..12912, 14444..14481		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		
Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63639	Strand	-
Start	9236	End	14481
Name	OJ990419_03.9919.C22.o4.gs	Method	GENSCAN
Start	11651	End	13127
GI	none	Score	1
Exons	11651..12664, 12678..13127		
Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63640	Strand	-
Start	14620	End	16406
Name	OJ990419_03.9919.C22.o2.tm	Method	TBLASTX:Maize
Start	336	End	758
GI	none	Score	422
Exons	336..638, 338..448, 357..524, 527..640, 653..721, 654..734, 717..758, 718..756		
Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63640	Strand	-
Start	14620	End	16406
Name	OJ990419_03.9919.C22.o3.tw	Method	TBLASTX:Wheat
Start	4631	End	7681
GI	none	Score	65
Exons	4631..4672, 4632..4673, 6572..6634, 6585..6635, 7352..7495, 7353..7514, 7359..7514, 7583..7681, 7612..7677		
Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63640	Strand	-
Start	14620	End	16406
Name	OJ990419_03.9919.C22.o5.ts	Method	TBLASTX:Soybean
Start	7219	End	7917
GI	none	Score	54
Exons	7219..7260, 7221..7250, 7352..7498, 7353..7514, 7583..7672, 7612..7680, 7831..7917, 7836..7916		

Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63640	Strand	-
Start	14620	End	16406
Name	OJ990419_03.9919.C22.o5.tm	Method	TBLASTX:Maize
Start	7221	End	7914
GI	none	Score	54
Exons	7221..7259, 7222..7260, 7352..7495, 7353..7514, 7583..7681, 7612..7680, 7825..7914		

Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63640	Strand	-
Start	14620	End	16406
Name	OJ990419_03.9919.C22.o2.ts	Method	TBLASTX:Soybean
Start	9218	End	9454
GI	none	Score	121
Exons	9218..9454, 9234..9443, 9239..9448		

Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63640	Strand	-
Start	14620	End	16406
Name	OJ990419_03.9919.C22.o1.tc	Method	TBLASTX:Cress
Start	9230	End	9769
GI	none	Score	141
Exons	9230..9769, 9231..9431, 9470..9760, 9516..9764		

Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63640	Strand	-
Start	14620	End	16406
Name	OJ990419_03.9919.C22.o3.tm	Method	TBLASTX:Maize
Start	9281	End	9829
GI	none	Score	68
Exons	9281..9829, 9545..9730, 9570..9806		

Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63640	Strand	-
Start	14620	End	16406
Name	OJ990419_03.9919.C22.o1.ts	Method	TBLASTX:Soybean
Start	9461	End	9997
GI	none	Score	74
Exons	9461..9997, 9509..9730, 9513..9965		

Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63640	Strand	-
Start	14620	End	16406
Name	OJ990419_03.9919.C22.o1.tm	Method	TBLASTX:Maize
Start	9860	End	10861
GI	none	Score	613
Exons	9860..10375, 9861..10376, 10292..10675, 10295..10552, 10628..10861		

Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63640	Strand	-
Start	14620	End	16406
Name	OJ990419_03.9919.C22.o1.tw	Method	TBLASTX:Wheat
Start	9930	End	10846
GI	none	Score	82

Exons	9930..10055, 9932..10249, 10292..10714, 10296..10559, 10602..10826, 10625..10846		
Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63640	Strand	-
Start	14620	End	16406
Name	OJ990419_03.9919.C22.o2.tc	Method	TBLASTX:Cress
Start	9956	End	10915
GI	none	Score	88
Exons	9956..10078, 9992..10195, 10064..10360, 10073..10522, 10077..10247, 10313..10369, 10368..10544, 10373..10810, 10382..10663, 10601..10672, 10703..10903, 10706..10915, 10736..10846		
Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63640	Strand	-
Start	14620	End	16406
Name	OJ990419_03.9919.C22.o3.ts	Method	TBLASTX:Soybean
Start	10010	End	10822
GI	none	Score	110
Exons	10010..10216, 10136..10519, 10137..10517, 10439..10822		
Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63640	Strand	-
Start	14620	End	16406
Name	OJ990419_03.9919.C22.o6.tm	Method	TBLASTX:Maize
Start	11789	End	15851
GI	none	Score	70
Exons	11789..11911, 11823..11912, 11918..11977, 11931..12017, 15573..15746, 15610..15780, 15804..15851		
Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63640	Strand	-
Start	14620	End	16406
Name	OJ990419_03.9919.C22.o2.tw	Method	TBLASTX:Wheat
Start	11924	End	16020
GI	none	Score	54
Exons	11924..11977, 11939..12007, 11952..12251, 12098..12268, 12107..12271, 15696..15746, 15730..15780, 15819..16019, 15856..16020		
Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63640	Strand	-
Start	14620	End	16406
Name	OJ990419_03.9919.C22.o3.tc	Method	TBLASTX:Cress
Start	12098	End	16029
GI	none	Score	103
Exons	12098..12247, 12099..12248, 15849..16028, 15859..16029		
Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63640	Strand	-
Start	14620	End	16406
Name	OJ990419_03.9919.C22.o7.tm	Method	TBLASTX:Maize
Start	12098	End	16062
GI	none	Score	103
Exons	12098..12268, 12099..12251, 12107..12271, 15876..16019, 15880..16062		

Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63640	Strand	-
Start	14620	End	16406
Name	OJ990419_03.9919.C22.o4.tm	Method	TBLASTX:Maize
Start	12362	End	16406
GI	none	Score	69
Exons	12362..12574, 12363..12512, 12365..12625, 12551..12613, 12599..12724, 12645..12755, 12659..12754, 16183..16302, 16185..16310, 16323..16406		

Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63640	Strand	-
Start	14620	End	16406
Name	OJ990419_03.9919.C22.o4.ts	Method	TBLASTX:Soybean
Start	12656	End	12905
GI	none	Score	85
Exons	12656..12787, 12660..12782, 12816..12905		

Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63640	Strand	-
Start	14620	End	16406
Name	OJ990419_03.9919.C22.o5.gs	Method	GENSCAN
Start	14620	End	16280
GI	none	Score	.6
Exons	14620..14637, 15246..16280		

Seq. No.	30765	Seq. ID	OJ990419_03.9919.C22
Gene No.	63640	Strand	-
Start	14620	End	16406
Name	OJ990419_03.9919.C22.o4.np	Method	AAT/NAP
Start	16133	End	16406
GI	6016696	Score	151
Exons	16133..16406		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		

Seq. No.	30766	Seq. ID	OJ990419_03.9919.C23
Gene No.	63641	Strand	-
Start	1023	End	1067
Name	OJ990419_03.9919.C23.o1.gs	Method	GENSCAN
Start	1023	End	1067
GI	none	Score	.86
Exons	1023..1067		

Seq. No.	30767	Seq. ID	OJ990419_03.9919.C24
Gene No.	63642	Strand	+
Start	47	End	1795
Name	OJ990419_03.9919.C24.o1.gs	Method	GENSCAN
Start	47	End	1795
GI	none	Score	.88
Exons	47..1795		

Seq. No.	30767	Seq. ID	OJ990419_03.9919.C24
Gene No.	63643	Strand	-
Start	2100	End	3089
Name	OJ990419_03.9919.C24.o2.ts	Method	TBLASTX:Soybean
Start	5	End	868

GI	none	Score	181
Exons	5..355, 293..364, 578..667, 689..868		

Seq. No.	30767	Seq. ID	OJ990419_03.9919.C24
Gene No.	63643	Strand	-
Start	2100	End	3089
Name	OJ990419_03.9919.C24.o1.tw	Method	TBLASTX:Wheat
Start	77	End	1477
GI	none	Score	118
Exons	77..448, 407..769, 1043..1225, 1165..1221, 1262..1477, 1307..1477		

Seq. No.	30767	Seq. ID	OJ990419_03.9919.C24
Gene No.	63643	Strand	-
Start	2100	End	3089
Name	OJ990419_03.9919.C24.o1.tm	Method	TBLASTX:Maize
Start	128	End	1276
GI	none	Score	83
Exons	128..355, 728..874, 817..1236, 827..1240, 1235..1276		

Seq. No.	30767	Seq. ID	OJ990419_03.9919.C24
Gene No.	63643	Strand	-
Start	2100	End	3089
Name	OJ990419_03.9919.C24.o2.tc	Method	TBLASTX:Cress
Start	131	End	1234
GI	none	Score	134
Exons	131..361, 254..358, 284..715, 434..664, 590..868, 737..868, 881..1225, 890..1102, 911..1015, 1040..1234		

Seq. No.	30767	Seq. ID	OJ990419_03.9919.C24
Gene No.	63643	Strand	-
Start	2100	End	3089
Name	OJ990419_03.9919.C24.o1.tc	Method	TBLASTX:Cress
Start	1268	End	1792
GI	none	Score	274
Exons	1268..1792		

Seq. No.	30767	Seq. ID	OJ990419_03.9919.C24
Gene No.	63643	Strand	-
Start	2100	End	3089
Name	OJ990419_03.9919.C24.o1.ts	Method	TBLASTX:Soybean
Start	1364	End	1819
GI	none	Score	291
Exons	1364..1819, 1369..1791		

Seq. No.	30767	Seq. ID	OJ990419_03.9919.C24
Gene No.	63643	Strand	-
Start	2100	End	3089
Name	OJ990419_03.9919.C24.o2.tm	Method	TBLASTX:Maize
Start	1369	End	1794
GI	none	Score	282
Exons	1369..1794, 1370..1792		

Seq. No.	30767	Seq. ID	OJ990419_03.9919.C24
Gene No.	63643	Strand	-
Start	2100	End	3089
Name	OJ990419_03.9919.C24.o1.gp	Method	AAT/GAP

Start	2100	End	2609
GI	2800564	Score	725
Exons	2100..2609		

Seq. No.	30767	Seq. ID	OJ990419_03.9919.C24
Gene No.	63643	Strand	-
Start	2100	End	3089
Name	OJ990419_03.9919.C24.o2.gs	Method	GENSCAN
Start	2454	End	3089
GI	none	Score	.74
Exons	2454..3089		

Seq. No.	30767	Seq. ID	OJ990419_03.9919.C24
Gene No.	63643	Strand	-
Start	2100	End	3089
Name	OJ990419_03.9919.C24.o3.tm	Method	TBLASTX:Maize
Start	2460	End	3054
GI	none	Score	51
Exons	2460..2834, 2523..2588, 2593..2838, 2596..2898, 2601..2900, 2654..2911, 2660..2911, 2662..2928, 2664..2915, 2703..2915, 2710..2916, 2717..2917, 2722..2949, 2859..2921, 2963..3031, 2964..3053, 2965..3054		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o1.np	Method	AAT/NAP
Start	1	End	2930
GI	2160163	Score	460
Exons	1..111, 253..469, 2643..2930		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o12.tm	Method	TBLASTX:Maize
Start	2	End	2224
GI	none	Score	102
Exons	2..109, 3..113, 4..108, 257..370, 257..382, 312..383, 2010..2057, 2177..2224		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o7.ts	Method	TBLASTX:Soybean
Start	257	End	476
GI	none	Score	76
Exons	257..364, 272..331, 273..368, 315..359, 386..475, 405..476, 405..476		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o8.tm	Method	TBLASTX:Maize
Start	385	End	2932
GI	none	Score	110
Exons	385..468, 386..469, 387..467, 390..473, 391..468, 2656..2904,		

2662..2907, 2670..2912, 2691..2906, 2717..2932

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o1.gs	Method	GENSCAN
Start	962	End	22408
GI	none	Score	.66
Exons	962..2029, 2646..2905, 4556..4611, 4687..4727, 5309..5641, 5776..5860, 6012..6097, 6178..6279, 6379..6518, 6600..6724, 6822..6942, 7055..7381, 7501..8112, 8225..8405, 8485..8759, 8874..9045, 9149..9232, 9809..9887, 10465..10622, 10757..10873, 10963..11121, 11198..11280, 11821..11939, 13433..13792, 13853..13886, 14083..14315, 17102..17273, 17314..17460, 17720..17750, 17829..17931, 19279..19307, 19514..19918, 20010..20297, 20376..20553, 20728..20856, 21254..21452, 21555..21693, 21853..21918, 22231..22408		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o1.gp	Method	AAT/GAP
Start	2636	End	3376
GI	21305_1.R1084	Score	711
Exons	2636..2905, 3241..3376		
GI Descrip.	'2160163 8.0e-25 (AC000132) No definition line found [Arabidopsis thaliana]'		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o6.ts	Method	TBLASTX:Soybean
Start	2715	End	2920
GI	none	Score	117
Exons	2715..2903, 2715..2903, 2716..2904, 2720..2920		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o3.gp	Method	AAT/GAP
Start	4194	End	4653
GI	2443141	Score	892
Exons	4194..4653		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o4.gp	Method	AAT/GAP
Start	4671	End	5203
GI	none	Score	1017
Exons	4671..5203		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o2.np	Method	AAT/NAP
Start	5303	End	13821

GI	6403497	Score	3889
Exons	5303..5641, 5776..5860, 6012..6097, 6178..6279, 6379..6518, 6600..6724, 6822..6945, 7051..7456, 7494..7960, 7988..8112, 8225..8436, 8482..8838, 8935..9045, 9149..9232, 9575..9676, 9809..9887, 9970..10114, 10212..10366, 10465..10622, 10757..10873, 10963..11121, 11198..11280, 11821..11923, 13507..13821		
GI Descrip.	(AC010871) unknown protein [Arabidopsis thaliana]		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o1.tm	Method	TBLASTX:Maize
Start	5309	End	7260
GI	none	Score	456
Exons	5309..5656, 5313..5642, 5731..5841, 5773..5862, 5775..5876, 5777..5863, 6006..6098, 6012..6104, 6013..6108, 6169..6279, 6186..6278, 6187..6279, 6206..6283, 6379..6516, 6380..6517, 6597..6725, 6598..6726, 6599..6727, 6649..6726, 6809..6946, 6824..6940, 6825..6941, 7032..7220, 7054..7260, 7054..7260		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o9.ts	Method	TBLASTX:Soybean
Start	5600	End	7166
GI	none	Score	74
Exons	5600..5650, 5773..5859, 5786..5863, 6013..6096, 6014..6094, 6032..6124, 6169..6279, 6170..6280, 6218..6283, 6379..6411, 6380..6421, 6412..6516, 6434..6517, 6441..6548, 6600..6722, 6613..6729, 6649..6726, 6821..6892, 6825..6893, 6826..6894, 7050..7166		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o5.gp	Method	AAT/GAP
Start	6226	End	7101
GI	uC-osflcyp122e07b1	Score	882
Exons	6226..6279, 6379..6518, 6600..6724, 6822..6942, 7055..7101		
GI Descrip.	'2344887 3.0e-30 (AC002388) unknown protein [Arabidopsis thaliana] >gi_4895253_gb_AAD32838.1_AC007659_20 (AC007659) unknown protein [Arabidopsis thaliana]'		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o4.tm	Method	TBLASTX:Maize
Start	7260	End	7802
GI	none	Score	145
Exons	7260..7382, 7261..7383, 7487..7552, 7498..7548, 7500..7550, 7562..7792, 7563..7802		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o5.ts	Method	TBLASTX:Soybean

Start	7264	End	7844
GI	none	Score	83
Exons	7264..7383, 7272..7382, 7493..7537, 7500..7535, 7616..7732, 7616..7789, 7791..7844, 7791..7844		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o10.tm	Method	TBLASTX:Maize
Start	7859	End	8262
GI	none	Score	96
Exons	7859..7993, 7860..7949, 7864..7980, 7941..7994, 7945..7992, 7994..8113, 8002..8121, 8003..8113, 8226..8261, 8230..8262		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o8.ts	Method	TBLASTX:Soybean
Start	7901	End	8390
GI	none	Score	56
Exons	7901..7924, 7991..8113, 8003..8104, 8007..8177, 8226..8315, 8227..8265, 8349..8390		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o11.tm	Method	TBLASTX:Maize
Start	8262	End	8555
GI	none	Score	111
Exons	8262..8363, 8264..8392, 8356..8406, 8482..8553, 8483..8554, 8484..8555		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o2.tm	Method	TBLASTX:Maize
Start	8561	End	9234
GI	none	Score	44
Exons	8561..8590, 8562..8603, 8562..8591, 8572..8835, 8582..8839, 8594..8839, 8614..8841, 8935..9075, 8935..9060, 9140..9229, 9148..9234, 9150..9230		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o4.ts	Method	TBLASTX:Soybean
Start	8594	End	8841
GI	none	Score	176
Exons	8594..8839, 8596..8841, 8614..8841		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o7.tm	Method	TBLASTX:Maize
Start	9573	End	10113
GI	none	Score	112
Exons	9573..9677, 9575..9679, 9578..9679, 9809..9886, 9810..9887,		

9810..9887, 9811..9888, 9966..10109, 9969..10112, 9970..10113

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o3.ts	Method	TBLASTX:Soybean
Start	9873	End	10366
GI	none	Score	84
Exons	9873..9887, 9959..10090, 9966..10109, 9969..10115, 9970..10116, 10212..10235, 10213..10365, 10214..10366		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o5.tm	Method	TBLASTX:Maize
Start	10536	End	11112
GI	none	Score	128
Exons	10536..10622, 10537..10623, 10539..10625, 10540..10632, 10541..10639, 10757..10876, 10758..10874, 10763..10876, 10813..10899, 10946..11068, 10957..11112, 10963..11112		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o3.tm	Method	TBLASTX:Maize
Start	19290	End	19810
GI	none	Score	48
Exons	19290..19367, 19303..19401, 19431..19802, 19433..19810		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o1.tc	Method	TBLASTX:Cress
Start	19434	End	20159
GI	none	Score	56
Exons	19434..19514, 19445..19531, 19538..19729, 19563..19724, 19761..19883, 19766..19894, 19835..19924, 20028..20159, 20029..20157		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o2.ts	Method	TBLASTX:Soybean
Start	19436	End	19942
GI	none	Score	87
Exons	19436..19531, 19437..19514, 19541..19750, 19552..19578, 19559..19738, 19563..19763, 19727..19924, 19746..19883, 19766..19942		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o3.np	Method	AAT/NAP
Start	19439	End	22363
GI	4895253	Score	1196
Exons	19439..19918, 20010..20297, 20376..20463, 20728..20856, 21254..21473, 21555..21693, 22319..22363		

GI Descrip. (AC007659) unknown protein [Arabidopsis thaliana]

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o6.tm	Method	TBLASTX:Maize
Start	20008	End	20243
GI	none	Score	299
Exons	20008..20241, 20010..20243, 20011..20241		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o1.ts	Method	TBLASTX:Soybean
Start	20038	End	20865
GI	none	Score	258
Exons	20038..20295, 20038..20283, 20040..20312, 20040..20285, 20368..20457, 20376..20465, 20376..20465, 20377..20487, 20543..20608, 20555..20620, 20727..20858, 20728..20865		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o6.gp	Method	AAT/GAP
Start	20134	End	20626
GI	2312388	Score	542
Exons	20134..20297, 20376..20473, 20554..20626		
GI Descrip.	2344887 3.0e-30 (AC002388) unknown protein [Arabidopsis thaliana] >gi_4895253_gb_AAD32838.1_AC007659_20 (AC007659) unknown protein [Arabidopsis thaliana]		

Seq. No.	30768	Seq. ID	OJ990419_03.9919.C25
Gene No.	63644	Strand	-
Start	1	End	22408
Name	OJ990419_03.9919.C25.o9.tm	Method	TBLASTX:Maize
Start	21259	End	21703
GI	none	Score	75
Exons	21259..21360, 21260..21358, 21352..21477, 21367..21447, 21371..21448, 21553..21693, 21554..21694, 21561..21698, 21563..21703		

Seq. No.	30769	Seq. ID	OJ990419_03.9919.C26
Gene No.	63645	Strand	+
Start	2921	End	5913
Name	OJ990419_03.9919.C26.o2.gs	Method	GENSCAN
Start	2921	End	3773
GI	none	Score	.96
Exons	2921..3454, 3753..3773		

Seq. No.	30769	Seq. ID	OJ990419_03.9919.C26
Gene No.	63645	Strand	+
Start	2921	End	5913
Name	OJ990419_03.9919.C26.o2.np	Method	AAT/NAP
Start	2954	End	5369
GI	5263310	Score	791
Exons	2954..3454, 3651..3719, 3806..3910, 4608..4727, 5080..5169, 5256..5369		

GI Descrip.	(AC007727) EST gb|N95925 comes from this gene. [Arabidopsis thaliana]		
Seq. No.	30769	Seq. ID	OJ990419_03.9919.C26
Gene No.	63645	Strand	+
Start	2921	End	5913
Name	OJ990419_03.9919.C26.o2.gp	Method	AAT/GAP
Start	2994	End	3730
GI	50227_1.R1084	Score	980
Exons	2994..3454, 3651..3730		
GI Descrip.	'5263310/gb|AAD41412.1|AC007727_1 3.0e-25 (AC007727) EST gb_N95925 comes from this gene. [Arabidopsis thaliana]'		
Seq. No.	30769	Seq. ID	OJ990419_03.9919.C26
Gene No.	63645	Strand	+
Start	2921	End	5913
Name	OJ990419_03.9919.C26.o3.gp	Method	AAT/GAP
Start	4687	End	5913
GI	36104_1.R1084	Score	1198
Exons	4687..4727, 5080..5169, 5256..5634, 5681..5913		
GI Descrip.	'5263310/gb|AAD41412.1|AC007727_1 1.0e-16 (AC007727) EST gb_N95925 comes from this gene. [Arabidopsis thaliana]'		
Seq. No.	30769	Seq. ID	OJ990419_03.9919.C26
Gene No.	63646	Strand	+
Start	8308	End	9043
Name	OJ990419_03.9919.C26.o4.gs	Method	GENSCAN
Start	8308	End	9043
GI	none	Score	.55
Exons	8308..8382, 8699..9043		
Seq. No.	30769	Seq. ID	OJ990419_03.9919.C26
Gene No.	63647	Strand	+
Start	9234	End	10364
Name	OJ990419_03.9919.C26.o5.gs	Method	GENSCAN
Start	9234	End	10364
GI	none	Score	.83
Exons	9234..9267, 9626..9770, 9822..9846, 10179..10364		
Seq. No.	30769	Seq. ID	OJ990419_03.9919.C26
Gene No.	63648	Strand	-
Start	1	End	2766
Name	OJ990419_03.9919.C26.o1.np	Method	AAT/NAP
Start	1	End	2755
GI	2347194	Score	205
Exons	1..75, 460..558, 647..790, 1179..1222, 1873..1972, 2651..2755		
GI Descrip.	(AC002338) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	30769	Seq. ID	OJ990419_03.9919.C26
Gene No.	63648	Strand	-
Start	1	End	2766
Name	OJ990419_03.9919.C26.o1.gs	Method	GENSCAN
Start	616	End	2751
GI	none	Score	.58
Exons	616..792, 1181..1222, 1480..1551, 1873..1967, 2466..2555, 2655..2751		

Seq. No.	30769	Seq. ID	OJ990419_03.9919.C26
Gene No.	63648	Strand	-
Start	1	End	2766
Name	OJ990419_03.9919.C26.o1.gp	Method	AAT/GAP
Start	1461	End	2766
GI	2309687	Score	616
Exons	1461..1551, 1873..1967, 2466..2555, 2655..2766		

Seq. No.	30769	Seq. ID	OJ990419_03.9919.C26
Gene No.	63649	Strand	-
Start	5028	End	7643
Name	OJ990419_03.9919.C26.o3.gs	Method	GENSCAN
Start	5028	End	7643
GI	none	Score	.42
Exons	5028..5089, 5890..6127, 7000..7338, 7503..7643		

Seq. No.	30769	Seq. ID	OJ990419_03.9919.C26
Gene No.	63650	Strand	-
Start	8580	End	9052
Name	OJ990419_03.9919.C26.o1.tc	Method	TBLASTX:Cress
Start	3633	End	5381
GI	none	Score	122
Exons	3633..3719, 3650..3718, 3800..3913, 3805..3912, 4605..4730, 4608..4730, 5086..5139, 5093..5140, 5259..5381, 5261..5350		

Seq. No.	30769	Seq. ID	OJ990419_03.9919.C26
Gene No.	63650	Strand	-
Start	8580	End	9052
Name	OJ990419_03.9919.C26.o1.tm	Method	TBLASTX:Maize
Start	3674	End	5357
GI	none	Score	69
Exons	3674..3718, 3675..3719, 3790..3912, 3801..3920, 3803..3913, 3805..3930, 4595..4732, 4605..4742, 4608..4730, 5055..5198, 5074..5169, 5253..5357, 5255..5356		

Seq. No.	30769	Seq. ID	OJ990419_03.9919.C26
Gene No.	63650	Strand	-
Start	8580	End	9052
Name	OJ990419_03.9919.C26.o3.np	Method	AAT/NAP
Start	8580	End	9052
GI	6539570	Score	135
Exons	8580..8633, 8837..9052		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	30770	Seq. ID	OJ990419_03.9919.C27
Gene No.	63651	Strand	+
Start	1	End	110
Name	OJ990419_03.9919.C27.o1.np	Method	AAT/NAP
Start	1	End	110
GI	5042454	Score	72
Exons	1..110		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	30770	Seq. ID	OJ990419_03.9919.C27
Gene No.	63652	Strand	+
Start	843	End	6467
Name	OJ990419_03.9919.C27.o2.np	Method	AAT/NAP

Start	843	End	6467
GI	6498441	Score	6882
Exons	843..1907, 2238..2701, 2765..3138, 3322..3456, 3631..4057, 4250..4546, 4718..6115, 6209..6467		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	30770	Seq. ID	OJ990419_03.9919.C27
Gene No.	63652	Strand	+
Start	843	End	6467
Name	OJ990419_03.9919.C27.o5.tw	Method	TBLASTX:Wheat
Start	992	End	1384
GI	none	Score	58
Exons	992..1039, 1046..1144, 1051..1143, 1111..1350, 1127..1384		

Seq. No.	30770	Seq. ID	OJ990419_03.9919.C27
Gene No.	63652	Strand	+
Start	843	End	6467
Name	OJ990419_03.9919.C27.o4.tm	Method	TBLASTX:Maize
Start	997	End	1282
GI	none	Score	197
Exons	997..1281, 1034..1282		

Seq. No.	30770	Seq. ID	OJ990419_03.9919.C27
Gene No.	63652	Strand	+
Start	843	End	6467
Name	OJ990419_03.9919.C27.o6.tw	Method	TBLASTX:Wheat
Start	1392	End	4852
GI	none	Score	237
Exons	1392..1445, 4394..4615, 4418..4669, 4483..4668, 4703..4768, 4712..4765, 4714..4767, 4820..4852		

Seq. No.	30770	Seq. ID	OJ990419_03.9919.C27
Gene No.	63652	Strand	+
Start	843	End	6467
Name	OJ990419_03.9919.C27.o3.tw	Method	TBLASTX:Wheat
Start	2122	End	2731
GI	none	Score	412
Exons	2122..2295, 2123..2608, 2317..2577, 2387..2581, 2675..2731		

Seq. No.	30770	Seq. ID	OJ990419_03.9919.C27
Gene No.	63652	Strand	+
Start	843	End	6467
Name	OJ990419_03.9919.C27.o1.tw	Method	TBLASTX:Wheat
Start	2772	End	4818
GI	none	Score	221
Exons	2772..3215, 2773..3228, 2774..3235, 2774..3229, 4771..4818		

Seq. No.	30770	Seq. ID	OJ990419_03.9919.C27
Gene No.	63652	Strand	+
Start	843	End	6467
Name	OJ990419_03.9919.C27.o3.ts	Method	TBLASTX:Soybean
Start	2813	End	3178
GI	none	Score	116
Exons	2813..3037, 3044..3178		

Seq. No.	30770	Seq. ID	OJ990419_03.9919.C27
Gene No.	63652	Strand	+
Start	843	End	6467
Name	OJ990419_03.9919.C27.o1.tm	Method	TBLASTX:Maize
Start	2903	End	3259
GI	none	Score	388
Exons	2903..3259, 2938..3249, 3143..3259		

Seq. No.	30770	Seq. ID	OJ990419_03.9919.C27
Gene No.	63652	Strand	+
Start	843	End	6467
Name	OJ990419_03.9919.C27.o3.tm	Method	TBLASTX:Maize
Start	3286	End	3670
GI	none	Score	354
Exons	3286..3366, 3287..3670, 3430..3651		

Seq. No.	30770	Seq. ID	OJ990419_03.9919.C27
Gene No.	63652	Strand	+
Start	843	End	6467
Name	OJ990419_03.9919.C27.o2.tw	Method	TBLASTX:Wheat
Start	3344	End	3759
GI	none	Score	478
Exons	3344..3757, 3344..3622, 3442..3759		

Seq. No.	30770	Seq. ID	OJ990419_03.9919.C27
Gene No.	63652	Strand	+
Start	843	End	6467
Name	OJ990419_03.9919.C27.o1.ts	Method	TBLASTX:Soybean
Start	3422	End	3793
GI	none	Score	272
Exons	3422..3793, 3439..3663		

Seq. No.	30770	Seq. ID	OJ990419_03.9919.C27
Gene No.	63652	Strand	+
Start	843	End	6467
Name	OJ990419_03.9919.C27.o2.ts	Method	TBLASTX:Soybean
Start	4541	End	5107
GI	5666795	Score	68
Exons	4541..4639, 4715..4852, 4907..5107		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	30770	Seq. ID	OJ990419_03.9919.C27
Gene No.	63652	Strand	+
Start	843	End	6467
Name	OJ990419_03.9919.C27.o8.tw	Method	TBLASTX:Wheat
Start	4855	End	5167
GI	none	Score	189
Exons	4855..5031, 4907..5167		

Seq. No.	30770	Seq. ID	OJ990419_03.9919.C27
Gene No.	63652	Strand	+
Start	843	End	6467
Name	OJ990419_03.9919.C27.o2.tm	Method	TBLASTX:Maize
Start	5360	End	5722
GI	none	Score	357
Exons	5360..5683, 5389..5670, 5675..5722		

Seq. No.	30770	Seq. ID	OJ990419_03.9919.C27
Gene No.	63652	Strand	+
Start	843	End	6467
Name	OJ990419_03.9919.C27.o4.tw	Method	TBLASTX:Wheat
Start	5500	End	5878
GI	none	Score	367
Exons	5500..5847, 5501..5878		

Seq. No.	30770	Seq. ID	OJ990419_03.9919.C27
Gene No.	63652	Strand	+
Start	843	End	6467
Name	OJ990419_03.9919.C27.o7.tw	Method	TBLASTX:Wheat
Start	5879	End	6458
GI	none	Score	258
Exons	5879..6169, 5884..6162, 6356..6424, 6426..6458		

Seq. No.	30771	Seq. ID	OJ990419_03.9919.C28
Gene No.	63653	Strand	+
Start	3240	End	6542
Name	OJ990419_03.9919.C28.o2.gs	Method	GENSCAN
Start	3240	End	6542
GI	none	Score	.61
Exons	3240..3296, 3539..3709, 4006..4160, 4193..4460, 4489..4684, 4732..4913, 4945..5029, 6358..6542		

Seq. No.	30771	Seq. ID	OJ990419_03.9919.C28
Gene No.	63653	Strand	+
Start	3240	End	6542
Name	OJ990419_03.9919.C28.o3.np	Method	AAT/NAP
Start	3939	End	6539
GI	5922620	Score	700
Exons	3939..4340, 4489..4739, 6403..6539		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30771	Seq. ID	OJ990419_03.9919.C28
Gene No.	63654	Strand	+
Start	8196	End	10712
Name	OJ990419_03.9919.C28.o4.np	Method	AAT/NAP
Start	7390	End	10712
GI	6721512	Score	38
Exons	7390..7409, 9305..9394, 10694..10712		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	30771	Seq. ID	OJ990419_03.9919.C28
Gene No.	63654	Strand	+
Start	8196	End	10712
Name	OJ990419_03.9919.C28.o3.gs	Method	GENSCAN
Start	8196	End	8879
GI	none	Score	.54
Exons	8196..8257, 8858..8879		

Seq. No.	30771	Seq. ID	OJ990419_03.9919.C28
Gene No.	63655	Strand	+

Start	14907	End	16620
Name	OJ990419_03.9919.C28.o5.np	Method	AAT/NAP
Start	14907	End	16620
GI	6063554	Score	218
Exons	14907..15123, 15782..15810, 16447..16620		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30771	Seq. ID	OJ990419_03.9919.C28
Gene No.	63656	Strand	+
Start	17622	End	21296
Name	OJ990419_03.9919.C28.o5.gs	Method	GENSCAN
Start	17622	End	21296
GI	none	Score	.78
Exons	17622..17637, 18397..18611, 18782..20084, 21229..21296		

Seq. No.	30771	Seq. ID	OJ990419_03.9919.C28
Gene No.	63656	Strand	+
Start	17622	End	21296
Name	OJ990419_03.9919.C28.o6.np	Method	AAT/NAP
Start	17622	End	20881
GI	6539588	Score	341
Exons	17622..17648, 18365..18647, 20851..20881		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	30771	Seq. ID	OJ990419_03.9919.C28
Gene No.	63657	Strand	-
Start	36	End	3742
Name	OJ990419_03.9919.C28.o1.gs	Method	GENSCAN
Start	36	End	2059
GI	none	Score	.44
Exons	36..1645, 1663..1804, 2006..2059		

Seq. No.	30771	Seq. ID	OJ990419_03.9919.C28
Gene No.	63657	Strand	-
Start	36	End	3742
Name	OJ990419_03.9919.C28.o1.np	Method	AAT/NAP
Start	39	End	2109
GI	6539586	Score	2407
Exons	39..1646, 2071..2109		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	30771	Seq. ID	OJ990419_03.9919.C28
Gene No.	63657	Strand	-
Start	36	End	3742
Name	OJ990419_03.9919.C28.o2.np	Method	AAT/NAP
Start	1253	End	3742
GI	5922623	Score	199
Exons	1253..1347, 2878..2953, 3121..3279, 3662..3742		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	30771	Seq. ID	OJ990419_03.9919.C28
Gene No.	63658	Strand	-
Start	9850	End	16929

Name	OJ990419_03.9919.C28.o4.gs	Method	GENSCAN
Start	9850	End	16929
GI	none	Score	.45
Exons	9850..9938, 10015..10189, 12284..12486, 13109..13336, 14536..14820, 14861..14907, 14915..15407, 16350..16475, 16677..16781, 16848..16929		

Seq. No.	30772	Seq. ID	OJ990419_03.9919.C29
Gene No.	63659	Strand	+
Start	219	End	727
Name	OJ990419_03.9919.C29.o1.np	Method	AAT/NAP
Start	219	End	727
GI	6539588	Score	320
Exons	219..551, 695..727		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	30772	Seq. ID	OJ990419_03.9919.C29
Gene No.	63659	Strand	+
Start	219	End	727
Name	OJ990419_03.9919.C29.o1.gs	Method	GENSCAN
Start	278	End	469
GI	none	Score	.87
Exons	278..469		

Seq. No.	30773	Seq. ID	OJ990419_03.9919.C32
Gene No.	63660	Strand	-
Start	1	End	543
Name	OJ990419_03.9919.C32.o1.np	Method	AAT/NAP
Start	1	End	434
GI	5748522	Score	55
Exons	1..434		
GI Descrip.	(AL035071) dJ1085F17.1.2 (ortholog of mouse DNMT3B (DNA Cytosine-5 Methyltransferase 3B2) (isoform 2)) [Homo sapiens]		

Seq. No.	30773	Seq. ID	OJ990419_03.9919.C32
Gene No.	63660	Strand	-
Start	1	End	543
Name	OJ990419_03.9919.C32.o1.tm	Method	TBLASTX:Maize
Start	66	End	450
GI	none	Score	212
Exons	66..446, 66..449, 202..450		

Seq. No.	30773	Seq. ID	OJ990419_03.9919.C32
Gene No.	63660	Strand	-
Start	1	End	543
Name	OJ990419_03.9919.C32.o1.gs	Method	GENSCAN
Start	70	End	332
GI	none	Score	.4
Exons	70..332		

Seq. No.	30773	Seq. ID	OJ990419_03.9919.C32
Gene No.	63660	Strand	-
Start	1	End	543
Name	OJ990419_03.9919.C32.o1.ts	Method	TBLASTX:Soybean
Start	75	End	543
GI	none	Score	62
Exons	75..314, 140..220, 208..375, 298..543, 300..542		

Seq. No.	30774	Seq. ID	OJ990419_03.9919.C34
Gene No.	63661	Strand	+
Start	1	End	672
Name	OJ990419_03.9919.C34.o1.gp	Method	AAT/GAP
Start	1	End	672
GI	3162_1.R1084	Score	910
Exons	1..69, 239..672		
GI Descrip.	'5919219/gb|AAD56248.1|AF186273_1 4.0e-24 (AF186273) leucine-rich repeats containing F-box protein FBL3 [Homo sapiens]'		

Seq. No.	30774	Seq. ID	OJ990419_03.9919.C34
Gene No.	63662	Strand	+
Start	1138	End	1180
Name	OJ990419_03.9919.C34.o1.gs	Method	GENSCAN
Start	1138	End	1180
GI	none	Score	.52
Exons	1138..1180		

Seq. No.	30775	Seq. ID	OJ990419_03.9919.C37
Gene No.	63663	Strand	+
Start	1	End	585
Name	OJ990419_03.9919.C37.o1.np	Method	AAT/NAP
Start	1	End	585
GI	6498441	Score	650
Exons	1..585		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	30775	Seq. ID	OJ990419_03.9919.C37
Gene No.	63663	Strand	+
Start	1	End	585
Name	OJ990419_03.9919.C37.o1.tw	Method	TBLASTX:Wheat
Start	316	End	511
GI	none	Score	191
Exons	316..498, 317..511		

Seq. No.	30776	Seq. ID	OJ990419_03.9919.C38
Gene No.	63664	Strand	+
Start	1	End	700
Name	OJ990419_03.9919.C38.o1.np	Method	AAT/NAP
Start	1	End	700
GI	5263310	Score	186
Exons	1..78, 431..520, 607..700		
GI Descrip.	(AC007727) EST gb|N95925 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	30776	Seq. ID	OJ990419_03.9919.C38
Gene No.	63664	Strand	+
Start	1	End	700
Name	OJ990419_03.9919.C38.o1.gp	Method	AAT/GAP
Start	391	End	700
GI	36104_1.R1084	Score	321
Exons	391..520, 607..700		
GI Descrip.	'5263310/gb|AAD41412.1|AC007727_1 1.0e-16 (AC007727) EST		

gb_N95925 comes from this gene. [Arabidopsis thaliana]'

Seq. No.	30776	Seq. ID	OJ990419_03.9919.C38
Gene No.	63665	Strand	-
Start	379	End	440
Name	OJ990419_03.9919.C38.o1.gs	Method	GENSCAN
Start	379	End	440
GI	none	Score	.48
Exons	379..440		

Seq. No.	30776	Seq. ID	OJ990419_03.9919.C38
Gene No.	63666	Strand	
Start	406	End	700
Name	OJ990419_03.9919.C38.o1.tm	Method	TBLASTX:Maize
Start	406	End	700
GI	none	Score	80
Exons	406..549, 425..520, 604..699, 605..700, 606..698		

Seq. No.	30777	Seq. ID	OJ990419_03.9919.C39
Gene No.	63667	Strand	+
Start	1	End	438
Name	OJ990419_03.9919.C39.o1.gp	Method	AAT/GAP
Start	1	End	438
GI	3162_1.R1084	Score	510
Exons	1..239, 409..438		
GI Descrip.	'5919219/gb|AAD56248.1|AF186273_1 4.0e-24 (AF186273) leucine-rich repeats containing F-box protein FBL3 [Homo sapiens]'		

Seq. No.	30777	Seq. ID	OJ990419_03.9919.C39
Gene No.	63667	Strand	+
Start	1	End	438
Name	OJ990419_03.9919.C39.o1.tm	Method	TBLASTX:Maize
Start	2	End	197
GI	none	Score	192
Exons	2..127, 3..128, 108..194, 121..195, 125..196, 126..197		

Seq. No.	30777	Seq. ID	OJ990419_03.9919.C39
Gene No.	63667	Strand	+
Start	1	End	438
Name	OJ990419_03.9919.C39.o1.ts	Method	TBLASTX:Soybean
Start	3	End	229
GI	none	Score	127
Exons	3..128, 125..229, 126..221		

Seq. No.	30778	Seq. ID	OJ990619_53.9A29.C1
Gene No.	63668	Strand	-
Start	120	End	206
Name	OJ990619_53.9A29.C1.o1.gp	Method	AAT/GAP
Start	120	End	206
GI	4879971	Score	113
Exons	120..206		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63669	Strand	+
Start	247	End	7284
Name	OJ990619_53.9A29.C2.o1.gs	Method	GENSCAN

Start	247	End	1249
GI	none	Score	.59
Exons	247..337, 569..750, 839..1249		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63669	Strand	+
Start	247	End	7284
Name	OJ990619_53.9A29.C2.o2.np	Method	AAT/NAP
Start	766	End	5785
GI	5902445	Score	1202
Exons	766..891, 931..1245, 4815..5785		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63669	Strand	+
Start	247	End	7284
Name	OJ990619_53.9A29.C2.o2.gs	Method	GENSCAN
Start	2025	End	7284
GI	none	Score	.64
Exons	2025..2361, 2422..2493, 2586..2850, 2979..3067, 4954..5186, 5222..5771, 6391..6485, 6490..6714, 6833..6916, 6966..7061, 7090..7284		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63669	Strand	+
Start	247	End	7284
Name	OJ990619_53.9A29.C2.o2.gp	Method	AAT/GAP
Start	4548	End	4657
GI	uC-osflcyp088b12b1	Score	156
Exons	4548..4657		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63670	Strand	+
Start	16910	End	22556
Name	OJ990619_53.9A29.C2.o3.np	Method	AAT/NAP
Start	16910	End	22556
GI	6498441	Score	6797
Exons	16910..17973, 18304..18767, 18831..19204, 19388..19522, 19697..19937, 20130..20612, 20784..22181, 22275..22556		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63671	Strand	-
Start	173	End	783
Name	OJ990619_53.9A29.C2.o1.np	Method	AAT/NAP
Start	173	End	783
GI	5922623	Score	255
Exons	173..320, 703..783		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2

Gene No.	63672	Strand	-
Start	7307	End	9942
Name	OJ990619_53.9A29.C2.o3.gs	Method	GENSCAN
Start	7307	End	9942
GI	none	Score	.59
Exons	7307..8075, 8150..8208, 8279..8425, 8538..8662, 8828..9026, 9107..9513, 9873..9942		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63673	Strand	-
Start	23190	End	29515
Name	OJ990619_53.9A29.C2.o8.tw	Method	TBLASTX:Wheat
Start	770	End	21233
GI	none	Score	62
Exons	770..889, 15110..15235, 20921..21097, 20973..21233		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63673	Strand	-
Start	23190	End	29515
Name	OJ990619_53.9A29.C2.o2.tm	Method	TBLASTX:Maize
Start	1094	End	21749
GI	none	Score	152
Exons	1094..1243, 1111..1239, 4810..4863, 4866..4967, 21426..21749, 21443..21736		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63673	Strand	-
Start	23190	End	29515
Name	OJ990619_53.9A29.C2.o3.tw	Method	TBLASTX:Wheat
Start	2269	End	18671
GI	none	Score	62
Exons	2269..2376, 12881..13063, 13099..13335, 13101..13325, 18188..18361, 18189..18671, 18383..18643		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63673	Strand	-
Start	23190	End	29515
Name	OJ990619_53.9A29.C2.o5.tw	Method	TBLASTX:Wheat
Start	4809	End	21917
GI	none	Score	58
Exons	4809..4850, 4810..4863, 4869..5174, 4895..5137, 21563..21619, 21564..21917, 21665..21913		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63673	Strand	-
Start	23190	End	29515
Name	OJ990619_53.9A29.C2.o4.tw	Method	TBLASTX:Wheat
Start	5204	End	22547
GI	none	Score	332
Exons	5204..5620, 5317..5421, 5645..5776, 5650..5775, 21939..22229, 21971..22228, 21985..22236, 22421..22543, 22422..22547		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63673	Strand	-
Start	23190	End	29515
Name	OJ990619_53.9A29.C2.o6.tm	Method	TBLASTX:Maize
Start	5390	End	22229

GI	none	Score	186
Exons	5390..5644, 22161..22229		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63673	Strand	-
Start	23190	End	29515
Name	OJ990619_53.9A29.C2.o4.tm	Method	TBLASTX:Maize
Start	5647	End	22586
GI	none	Score	127
Exons	5647..5787, 5648..5782, 22416..22586, 22421..22585		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63673	Strand	-
Start	23190	End	29515
Name	OJ990619_53.9A29.C2.o5.tm	Method	TBLASTX:Maize
Start	11898	End	17348
GI	none	Score	50
Exons	11898..11942, 11942..12136, 17063..17347, 17100..17348		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63673	Strand	-
Start	23190	End	29515
Name	OJ990619_53.9A29.C2.o7.tw	Method	TBLASTX:Wheat
Start	11904	End	17450
GI	none	Score	41
Exons	11904..11942, 11951..12016, 11990..12250, 12022..12201, 12059..12211, 17058..17105, 17112..17210, 17129..17209, 17177..17416, 17193..17450		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63673	Strand	-
Start	23190	End	29515
Name	OJ990619_53.9A29.C2.o1.tw	Method	TBLASTX:Wheat
Start	13527	End	19301
GI	none	Score	545
Exons	13527..13982, 13528..13983, 18839..19300, 18840..19301		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63673	Strand	-
Start	23190	End	29515
Name	OJ990619_53.9A29.C2.o3.ts	Method	TBLASTX:Soybean
Start	13567	End	19244
GI	none	Score	106
Exons	13567..13791, 13798..13932, 18879..19103, 19110..19244		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63673	Strand	-
Start	23190	End	29515
Name	OJ990619_53.9A29.C2.o1.tm	Method	TBLASTX:Maize
Start	13657	End	19325
GI	none	Score	422
Exons	13657..14013, 13711..13959, 13719..14012, 18969..19325, 19004..19315, 19035..19325		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63673	Strand	-
Start	23190	End	29515

Name	OJ990619_53.9A29.C2.o3.tm	Method	TBLASTX:Maize
Start	14041	End	19736
GI	none	Score	311
Exons	14041..14424, 14208..14423, 19352..19717, 19353..19736		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63673	Strand	-
Start	23190	End	29515
Name	OJ990619_53.9A29.C2.o2.tw	Method	TBLASTX:Wheat
Start	14098	End	19834
GI	none	Score	447
Exons	14098..14520, 14101..14379, 14208..14522, 19409..19834, 19410..19829		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63673	Strand	-
Start	23190	End	29515
Name	OJ990619_53.9A29.C2.o1.ts	Method	TBLASTX:Soybean
Start	14152	End	19859
GI	none	Score	301
Exons	14152..14577, 14211..14336, 14388..14420, 19458..19859, 19481..19648		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63673	Strand	-
Start	23190	End	29515
Name	OJ990619_53.9A29.C2.o6.tw	Method	TBLASTX:Wheat
Start	14645	End	20918
GI	none	Score	159
Exons	14645..14842, 14839..14868, 14878..15021, 20460..20708, 20484..20708, 20549..20722, 20769..20918, 20778..20915, 20780..20917		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63673	Strand	-
Start	23190	End	29515
Name	OJ990619_53.9A29.C2.o2.ts	Method	TBLASTX:Soybean
Start	20607	End	21173
GI	5666795	Score	68
Exons	20607..20705, 20781..20918, 20973..21173		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63673	Strand	-
Start	23190	End	29515
Name	OJ990619_53.9A29.C2.o5.gs	Method	GENSCAN
Start	23190	End	25780
GI	none	Score	.98
Exons	23190..25071, 25164..25780		

Seq. No.	30779	Seq. ID	OJ990619_53.9A29.C2
Gene No.	63673	Strand	-
Start	23190	End	29515
Name	OJ990619_53.9A29.C2.o4.np	Method	AAT/NAP
Start	23193	End	29515
GI	5803259	Score	4208
Exons	23193..25071, 25164..25774, 28865..29515		

GI Descrip. (AP000399) hypothetical protein [Oryza sativa]

Seq. No.	30780	Seq. ID	OJ990619_53.9A29.C3
Gene No.	63674	Strand	-
Start	1	End	2093
Name	OJ990619_53.9A29.C3.o1.np	Method	AAT/NAP
Start	1	End	2093
GI	4680179	Score	3404
Exons	1..2093		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	30780	Seq. ID	OJ990619_53.9A29.C3
Gene No.	63674	Strand	-
Start	1	End	2093
Name	OJ990619_53.9A29.C3.o3.tw	Method	TBLASTX:Wheat
Start	2	End	523
GI	none	Score	309
Exons	2..523, 3..467		

Seq. No.	30780	Seq. ID	OJ990619_53.9A29.C3
Gene No.	63674	Strand	-
Start	1	End	2093
Name	OJ990619_53.9A29.C3.o5.tm	Method	TBLASTX:Maize
Start	2	End	242
GI	none	Score	123
Exons	2..232, 2..241, 78..242		

Seq. No.	30780	Seq. ID	OJ990619_53.9A29.C3
Gene No.	63674	Strand	-
Start	1	End	2093
Name	OJ990619_53.9A29.C3.o1.gs	Method	GENSCAN
Start	138	End	2050
GI	none	Score	.41
Exons	138..1747, 1815..2050		

Seq. No.	30780	Seq. ID	OJ990619_53.9A29.C3
Gene No.	63674	Strand	-
Start	1	End	2093
Name	OJ990619_53.9A29.C3.o2.tm	Method	TBLASTX:Maize
Start	245	End	565
GI	none	Score	74
Exons	245..340, 248..565, 249..554		

Seq. No.	30780	Seq. ID	OJ990619_53.9A29.C3
Gene No.	63674	Strand	-
Start	1	End	2093
Name	OJ990619_53.9A29.C3.o2.ts	Method	TBLASTX:Soybean
Start	482	End	742
GI	none	Score	54
Exons	482..550, 482..742, 636..737		

Seq. No.	30780	Seq. ID	OJ990619_53.9A29.C3
Gene No.	63674	Strand	-
Start	1	End	2093
Name	OJ990619_53.9A29.C3.o1.tc	Method	TBLASTX:Cress
Start	506	End	832
GI	none	Score	64

Exons	506..649, 507..584, 650..832		
Seq. No.	30780	Seq. ID	OJ990619_53.9A29.C3
Gene No.	63674	Strand	-
Start	1	End	2093
Name	OJ990619_53.9A29.C3.o2.tw	Method	TBLASTX:Wheat
Start	530	End	1009
GI	none	Score	219
Exons	530..1009, 531..914, 536..991		
Seq. No.	30780	Seq. ID	OJ990619_53.9A29.C3
Gene No.	63674	Strand	-
Start	1	End	2093
Name	OJ990619_53.9A29.C3.o4.tm	Method	TBLASTX:Maize
Start	566	End	880
GI	none	Score	93
Exons	566..880, 654..845		
Seq. No.	30780	Seq. ID	OJ990619_53.9A29.C3
Gene No.	63674	Strand	-
Start	1	End	2093
Name	OJ990619_53.9A29.C3.o1.tw	Method	TBLASTX:Wheat
Start	1013	End	1522
GI	none	Score	305
Exons	1013..1522, 1104..1490		
Seq. No.	30780	Seq. ID	OJ990619_53.9A29.C3
Gene No.	63674	Strand	-
Start	1	End	2093
Name	OJ990619_53.9A29.C3.o1.tm	Method	TBLASTX:Maize
Start	1097	End	1450
GI	none	Score	139
Exons	1097..1450, 1112..1408, 1182..1448		
Seq. No.	30780	Seq. ID	OJ990619_53.9A29.C3
Gene No.	63674	Strand	-
Start	1	End	2093
Name	OJ990619_53.9A29.C3.o3.ts	Method	TBLASTX:Soybean
Start	1271	End	1513
GI	none	Score	197
Exons	1271..1513		
Seq. No.	30780	Seq. ID	OJ990619_53.9A29.C3
Gene No.	63674	Strand	-
Start	1	End	2093
Name	OJ990619_53.9A29.C3.o3.tm	Method	TBLASTX:Maize
Start	1487	End	1988
GI	none	Score	56
Exons	1487..1762, 1496..1735, 1809..1988		
Seq. No.	30780	Seq. ID	OJ990619_53.9A29.C3
Gene No.	63674	Strand	-
Start	1	End	2093
Name	OJ990619_53.9A29.C3.o5.tw	Method	TBLASTX:Wheat
Start	1523	End	1798
GI	none	Score	168
Exons	1523..1759, 1524..1778, 1756..1797, 1761..1796, 1763..1798		

Seq. No.	30780	Seq. ID	OJ990619_53.9A29.C3
Gene No.	63674	Strand	-
Start	1	End	2093
Name	OJ990619_53.9A29.C3.o1.ts	Method	TBLASTX:Soybean
Start	1538	End	1934
GI	none	Score	106
Exons	1538..1759, 1539..1778, 1761..1898, 1766..1891, 1821..1895, 1902..1934, 1902..1934		

Seq. No.	30780	Seq. ID	OJ990619_53.9A29.C3
Gene No.	63674	Strand	-
Start	1	End	2093
Name	OJ990619_53.9A29.C3.o4.tw	Method	TBLASTX:Wheat
Start	1800	End	2085
GI	none	Score	175
Exons	1800..1997, 1803..1970, 1873..2001, 2001..2084, 2005..2085		

Seq. No.	30781	Seq. ID	OJ990619_53.9A29.C4
Gene No.	63675	Strand	+
Start	193	End	1457
Name	OJ990619_53.9A29.C4.o1.gs	Method	GENSCAN
Start	193	End	1457
GI	none	Score	.76
Exons	193..610, 796..1457		

Seq. No.	30781	Seq. ID	OJ990619_53.9A29.C4
Gene No.	63675	Strand	+
Start	193	End	1457
Name	OJ990619_53.9A29.C4.o1.np	Method	AAT/NAP
Start	233	End	688
GI	5257260	Score	182
Exons	233..688		
GI Descrip.	(AP000364) Similar to sequence of BAC F7G19 from Arabidopsis thaliana. (AC000106) [Oryza sativa]		

Seq. No.	30781	Seq. ID	OJ990619_53.9A29.C4
Gene No.	63675	Strand	+
Start	193	End	1457
Name	OJ990619_53.9A29.C4.o1.ts	Method	TBLASTX:Soybean
Start	241	End	594
GI	none	Score	230
Exons	241..594, 247..549		

Seq. No.	30781	Seq. ID	OJ990619_53.9A29.C4
Gene No.	63675	Strand	+
Start	193	End	1457
Name	OJ990619_53.9A29.C4.o1.tc	Method	TBLASTX:Cress
Start	247	End	549
GI	none	Score	238
Exons	247..549, 249..446		

Seq. No.	30781	Seq. ID	OJ990619_53.9A29.C4
Gene No.	63675	Strand	+
Start	193	End	1457
Name	OJ990619_53.9A29.C4.o1.tm	Method	TBLASTX:Maize
Start	247	End	549

GI	none	Score	182
Exons	247..474, 249..476, 484..549		

Seq. No.	30782	Seq. ID	OJ990619_53.9A29.C5
Gene No.	63676	Strand	+
Start	72	End	1537
Name	OJ990619_53.9A29.C5.o1.gs	Method	GENSCAN
Start	72	End	1508
GI	none	Score	.69
Exons	72..230, 1234..1280, 1417..1508		

Seq. No.	30782	Seq. ID	OJ990619_53.9A29.C5
Gene No.	63676	Strand	+
Start	72	End	1537
Name	OJ990619_53.9A29.C5.o1.tc	Method	TBLASTX:Cress
Start	79	End	1001
GI	none	Score	163
Exons	79..231, 108..233, 787..918, 788..973, 978..1001		

Seq. No.	30782	Seq. ID	OJ990619_53.9A29.C5
Gene No.	63676	Strand	+
Start	72	End	1537
Name	OJ990619_53.9A29.C5.o2.tm	Method	TBLASTX:Maize
Start	769	End	918
GI	none	Score	182
Exons	769..918, 779..916		

Seq. No.	30782	Seq. ID	OJ990619_53.9A29.C5
Gene No.	63676	Strand	+
Start	72	End	1537
Name	OJ990619_53.9A29.C5.o1.ts	Method	TBLASTX:Soybean
Start	787	End	1537
GI	none	Score	200
Exons	787..918, 788..973, 791..931, 961..1032, 961..1032, 963..1034, 978..1034, 1162..1290, 1163..1282, 1414..1449, 1419..1511, 1436..1537		

Seq. No.	30782	Seq. ID	OJ990619_53.9A29.C5
Gene No.	63676	Strand	+
Start	72	End	1537
Name	OJ990619_53.9A29.C5.o1.tm	Method	TBLASTX:Maize
Start	955	End	1482
GI	none	Score	80
Exons	955..1032, 956..1033, 972..1058, 978..1037, 1161..1280, 1162..1290, 1163..1279, 1414..1482, 1415..1480		

Seq. No.	30783	Seq. ID	OJ990619_53.9A29.C6
Gene No.	63677	Strand	+
Start	1	End	257
Name	OJ990619_53.9A29.C6.o1.gp	Method	AAT/GAP
Start	1	End	257
GI	none	Score	259
Exons	1..101, 212..257		

Seq. No.	30783	Seq. ID	OJ990619_53.9A29.C6
Gene No.	63678	Strand	+
Start	857	End	1598

Name	OJ990619_53.9A29.C6.o2.gp	Method	AAT/GAP
Start	857	End	1598
GI	none	Score	849
Exons	857..946, 1072..1136, 1273..1598		

Seq. No.	30783	Seq. ID	OJ990619_53.9A29.C6
Gene No.	63679	Strand	+
Start	1871	End	2187
Name	OJ990619_53.9A29.C6.o1.tm	Method	TBLASTX:Maize
Start	2	End	944
GI	none	Score	137
Exons	2..112, 3..101, 209..295, 211..294, 373..456, 374..457, 445..477, 446..481, 842..943, 844..942, 855..944		

Seq. No.	30783	Seq. ID	OJ990619_53.9A29.C6
Gene No.	63679	Strand	+
Start	1871	End	2187
Name	OJ990619_53.9A29.C6.o3.gp	Method	AAT/GAP
Start	1871	End	2079
GI	none	Score	394
Exons	1871..2079		

Seq. No.	30783	Seq. ID	OJ990619_53.9A29.C6
Gene No.	63679	Strand	+
Start	1871	End	2187
Name	OJ990619_53.9A29.C6.o1.gs	Method	GENSCAN
Start	1913	End	2187
GI	none	Score	.66
Exons	1913..2079, 2148..2187		

Seq. No.	30784	Seq. ID	OJ990619_53.9A29.C7
Gene No.	63680	Strand	+
Start	1	End	2032
Name	OJ990619_53.9A29.C7.o1.gp	Method	AAT/GAP
Start	1	End	675
GI	none	Score	838
Exons	1..50, 269..675		

Seq. No.	30784	Seq. ID	OJ990619_53.9A29.C7
Gene No.	63680	Strand	+
Start	1	End	2032
Name	OJ990619_53.9A29.C7.o1.gs	Method	GENSCAN
Start	212	End	2032
GI	none	Score	.49
Exons	212..361, 1928..2032		

Seq. No.	30785	Seq. ID	OJ990619_53.9A29.C8
Gene No.	63681	Strand	+
Start	1	End	295
Name	OJ990619_53.9A29.C8.o1.np	Method	AAT/NAP
Start	1	End	262
GI	4455236	Score	198
Exons	1..262		
GI Descrip.	(AL035523) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30785	Seq. ID	OJ990619_53.9A29.C8
Gene No.	63681	Strand	+

Start	1	End	295
Name	OJ990619_53.9A29.C8.o1.gs	Method	GENSCAN
Start	71	End	295
GI	none	Score	.86
Exons	71..295		

Seq. No.	30786	Seq. ID	OJ990619_53.9A29.C9
Gene No.	63682	Strand	+
Start	143	End	2758
Name	OJ990619_53.9A29.C9.o1.gs	Method	GENSCAN
Start	143	End	2740
GI	none	Score	.68
Exons	143..301, 1015..1073, 1221..2740		

Seq. No.	30786	Seq. ID	OJ990619_53.9A29.C9
Gene No.	63682	Strand	+
Start	143	End	2758
Name	OJ990619_53.9A29.C9.o1.np	Method	AAT/NAP
Start	1218	End	2758
GI	6721517	Score	1858
Exons	1218..1281, 1335..1489, 1569..2321, 2370..2758		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	30786	Seq. ID	OJ990619_53.9A29.C9
Gene No.	63682	Strand	+
Start	143	End	2758
Name	OJ990619_53.9A29.C9.o1.tw	Method	TBLASTX:Wheat
Start	1487	End	1850
GI	none	Score	291
Exons	1487..1591, 1491..1850, 1616..1849		

Seq. No.	30786	Seq. ID	OJ990619_53.9A29.C9
Gene No.	63682	Strand	+
Start	143	End	2758
Name	OJ990619_53.9A29.C9.o2.tm	Method	TBLASTX:Maize
Start	1731	End	2027
GI	none	Score	198
Exons	1731..2027, 1748..1918		

Seq. No.	30786	Seq. ID	OJ990619_53.9A29.C9
Gene No.	63682	Strand	+
Start	143	End	2758
Name	OJ990619_53.9A29.C9.o1.tm	Method	TBLASTX:Maize
Start	2373	End	2693
GI	none	Score	209
Exons	2373..2693		

Seq. No.	30786	Seq. ID	OJ990619_53.9A29.C9
Gene No.	63682	Strand	+
Start	143	End	2758
Name	OJ990619_53.9A29.C9.o2.tw	Method	TBLASTX:Wheat
Start	2426	End	2744
GI	none	Score	244
Exons	2426..2566, 2427..2744, 2610..2741		

Seq. No.	30787	Seq. ID	OJ990619_53.9A29.C10
Gene No.	63683	Strand	+

Start	17	End	464
Name	OJ990619_53.9A29.C10.o1.gs	Method	GENSCAN
Start	17	End	464
GI	none	Score	.92
Exons	17..118, 396..464		

Seq. No.	30787	Seq. ID	OJ990619_53.9A29.C10
Gene No.	63684	Strand	-
Start	193	End	439
Name	OJ990619_53.9A29.C10.o1.np	Method	AAT/NAP
Start	193	End	439
GI	6721512	Score	76
Exons	193..305, 333..439		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	30788	Seq. ID	OJ990619_53.9A29.C11
Gene No.	63685	Strand	+
Start	345	End	491
Name	OJ990619_53.9A29.C11.o1.gs	Method	GENSCAN
Start	345	End	491
GI	none	Score	.96
Exons	345..491		

Seq. No.	30788	Seq. ID	OJ990619_53.9A29.C11
Gene No.	63686	Strand	+
Start	1443	End	3928
Name	OJ990619_53.9A29.C11.o2.gs	Method	GENSCAN
Start	1443	End	3906
GI	none	Score	.67
Exons	1443..1588, 1688..1773, 2137..2260, 2547..2745, 2828..2979, 3018..3171, 3280..3351, 3874..3906		

Seq. No.	30788	Seq. ID	OJ990619_53.9A29.C11
Gene No.	63686	Strand	+
Start	1443	End	3928
Name	OJ990619_53.9A29.C11.o1.tm	Method	TBLASTX:Maize
Start	2668	End	3927
GI	none	Score	115
Exons	2668..2748, 2676..2741, 2825..2980, 2828..2983, 2890..2982, 2892..2984, 3075..3170, 3079..3174, 3079..3177, 3279..3350, 3280..3351, 3280..3351, 3847..3927, 3876..3926		

Seq. No.	30788	Seq. ID	OJ990619_53.9A29.C11
Gene No.	63686	Strand	+
Start	1443	End	3928
Name	OJ990619_53.9A29.C11.o1.ts	Method	TBLASTX:Soybean
Start	2676	End	3927
GI	none	Score	107
Exons	2676..2741, 2677..2748, 2825..2980, 2908..2982, 3075..3170, 3079..3174, 3079..3180, 3279..3350, 3280..3351, 3847..3927, 3879..3926		

Seq. No.	30788	Seq. ID	OJ990619_53.9A29.C11
Gene No.	63686	Strand	+
Start	1443	End	3928
Name	OJ990619_53.9A29.C11.o1.np	Method	AAT/NAP
Start	2677	End	3928

GI	6119520	Score	489
Exons	2677..2745, 2828..2979, 3078..3171, 3280..3351, 3874..3928		
GI Descrip.	(AC011560) unknown protein [Arabidopsis thaliana]		

Seq. No.	30788	Seq. ID	OJ990619_53.9A29.C11
Gene No.	63686	Strand	+
Start	1443	End	3928
Name	OJ990619_53.9A29.C11.o1.tc	Method	TBLASTX:Cress
Start	2677	End	3927
GI	none	Score	93
Exons	2677..2748, 2685..2744, 2825..2980, 2911..2982, 3075..3170, 3079..3174, 3079..3174, 3279..3350, 3280..3351, 3847..3927		

Seq. No.	30789	Seq. ID	OJ990619_53.9A29.C12
Gene No.	63687	Strand	-
Start	1	End	842
Name	OJ990619_53.9A29.C12.o1.np	Method	AAT/NAP
Start	1	End	842
GI	4185142	Score	1160
Exons	1..842		
GI Descrip.	(AC005724) putative SNF2/RAD54 family DNA repair and recombination protein [Arabidopsis thaliana]		

Seq. No.	30789	Seq. ID	OJ990619_53.9A29.C12
Gene No.	63687	Strand	-
Start	1	End	842
Name	OJ990619_53.9A29.C12.o2.tc	Method	TBLASTX:Cress
Start	91	End	384
GI	none	Score	82
Exons	91..123, 127..384, 145..354		

Seq. No.	30789	Seq. ID	OJ990619_53.9A29.C12
Gene No.	63687	Strand	-
Start	1	End	842
Name	OJ990619_53.9A29.C12.o1.gs	Method	GENSCAN
Start	97	End	678
GI	none	Score	.61
Exons	97..678		

Seq. No.	30789	Seq. ID	OJ990619_53.9A29.C12
Gene No.	63687	Strand	-
Start	1	End	842
Name	OJ990619_53.9A29.C12.o1.tm	Method	TBLASTX:Maize
Start	97	End	693
GI	none	Score	55
Exons	97..210, 98..211, 220..420, 460..495, 559..693		

Seq. No.	30789	Seq. ID	OJ990619_53.9A29.C12
Gene No.	63687	Strand	-
Start	1	End	842
Name	OJ990619_53.9A29.C12.o1.ts	Method	TBLASTX:Soybean
Start	97	End	693
GI	none	Score	62
Exons	97..210, 98..211, 220..420, 559..693		

Seq. No.	30789	Seq. ID	OJ990619_53.9A29.C12
Gene No.	63687	Strand	-

Start	1	End	842
Name	OJ990619_53.9A29.C12.o1.tc	Method	TBLASTX:Cress
Start	385	End	718
GI	none	Score	393
Exons	385..717, 386..718		

Seq. No.	30790	Seq. ID	OJ990619_53.9A29.C14
Gene No.	63688	Strand	+
Start	2778	End	4525
Name	OJ990619_53.9A29.C14.o1.np	Method	AAT/NAP
Start	2778	End	4525
GI	2655098	Score	1010
Exons	2778..3181, 3215..4525		
GI Descrip.	(AF023472) peptide transporter [Hordeum vulgare]		

Seq. No.	30790	Seq. ID	OJ990619_53.9A29.C14
Gene No.	63688	Strand	+
Start	2778	End	4525
Name	OJ990619_53.9A29.C14.o2.ts	Method	TBLASTX:Soybean
Start	2846	End	3433
GI	none	Score	209
Exons	2846..3157, 3281..3325, 3347..3433		

Seq. No.	30790	Seq. ID	OJ990619_53.9A29.C14
Gene No.	63688	Strand	+
Start	2778	End	4525
Name	OJ990619_53.9A29.C14.o1.tw	Method	TBLASTX:Wheat
Start	2858	End	3094
GI	none	Score	193
Exons	2858..3094		

Seq. No.	30790	Seq. ID	OJ990619_53.9A29.C14
Gene No.	63688	Strand	+
Start	2778	End	4525
Name	OJ990619_53.9A29.C14.o1.tc	Method	TBLASTX:Cress
Start	2858	End	4477
GI	none	Score	201
Exons	2858..3157, 3281..3325, 3347..3433, 3494..3589, 3602..3718, 3716..3877, 4136..4249, 4349..4477		

Seq. No.	30790	Seq. ID	OJ990619_53.9A29.C14
Gene No.	63688	Strand	+
Start	2778	End	4525
Name	OJ990619_53.9A29.C14.o3.tm	Method	TBLASTX:Maize
Start	2863	End	3172
GI	none	Score	189
Exons	2863..3018, 2864..3172		

Seq. No.	30790	Seq. ID	OJ990619_53.9A29.C14
Gene No.	63688	Strand	+
Start	2778	End	4525
Name	OJ990619_53.9A29.C14.o1.tm	Method	TBLASTX:Maize
Start	3280	End	3900
GI	none	Score	68
Exons	3280..3324, 3281..3325, 3307..3564, 3347..3433, 3465..3515, 3467..3598, 3475..3558, 3491..3586, 3591..3623, 3605..3871, 3605..3697, 3628..3900		

Seq. No.	30790	Seq. ID	OJ990619_53.9A29.C14
Gene No.	63688	Strand	+
Start	2778	End	4525
Name	OJ990619_53.9A29.C14.o1.ts	Method	TBLASTX:Soybean
Start	3605	End	4132
GI	none	Score	317
Exons	3605..3874, 3724..3873, 3881..3910, 3883..3909, 3976..3999, 3977..4132		

Seq. No.	30790	Seq. ID	OJ990619_53.9A29.C14
Gene No.	63688	Strand	+
Start	2778	End	4525
Name	OJ990619_53.9A29.C14.o3.ts	Method	TBLASTX:Soybean
Start	4136	End	4477
GI	none	Score	116
Exons	4136..4342, 4358..4477		

Seq. No.	30790	Seq. ID	OJ990619_53.9A29.C14
Gene No.	63688	Strand	+
Start	2778	End	4525
Name	OJ990619_53.9A29.C14.o2.tw	Method	TBLASTX:Wheat
Start	4145	End	4477
GI	none	Score	106
Exons	4145..4249, 4162..4248, 4348..4437, 4349..4477		

Seq. No.	30790	Seq. ID	OJ990619_53.9A29.C14
Gene No.	63688	Strand	+
Start	2778	End	4525
Name	OJ990619_53.9A29.C14.o2.tm	Method	TBLASTX:Maize
Start	4175	End	4483
GI	none	Score	360
Exons	4175..4483, 4180..4482		

Seq. No.	30791	Seq. ID	OJ990619_53.9A29.C15
Gene No.	63689	Strand	+
Start	2925	End	4126
Name	OJ990619_53.9A29.C15.o1.np	Method	AAT/NAP
Start	2925	End	3308
GI	6907104	Score	131
Exons	2925..3097, 3255..3308		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	30791	Seq. ID	OJ990619_53.9A29.C15
Gene No.	63689	Strand	+
Start	2925	End	4126
Name	OJ990619_53.9A29.C15.o1.gs	Method	GENSCAN
Start	2970	End	4126
GI	none	Score	.42
Exons	2970..3173, 3255..3351, 3898..4126		

Seq. No.	30791	Seq. ID	OJ990619_53.9A29.C15
Gene No.	63690	Strand	-
Start	3629	End	4380
Name	OJ990619_53.9A29.C15.o1.gp	Method	AAT/GAP
Start	3629	End	4380
GI	17933_1.R1084	Score	918

Exons	3629..4115, 4354..4380		
GI Descrip.	'2772934 2.0e-71 (AF030357) C-8,7 sterol isomerase; aSI1 [Arabidopsis thaliana]'		

Seq. No.	30791	Seq. ID	OJ990619_53.9A29.C15
Gene No.	63690	Strand	-
Start	3629	End	4380
Name	OJ990619_53.9A29.C15.o2.np	Method	AAT/NAP
Start	3831	End	4101
GI	2772934	Score	228
Exons	3831..4101		
GI Descrip.	(AF030357) C-8,7 sterol isomerase; aSI1 [Arabidopsis thaliana]		

Seq. No.	30791	Seq. ID	OJ990619_53.9A29.C15
Gene No.	63690	Strand	-
Start	3629	End	4380
Name	OJ990619_53.9A29.C15.o1.tm	Method	TBLASTX:Maize
Start	3841	End	4116
GI	none	Score	275
Exons	3841..4116, 3853..3954, 3855..4100		

Seq. No.	30791	Seq. ID	OJ990619_53.9A29.C15
Gene No.	63690	Strand	-
Start	3629	End	4380
Name	OJ990619_53.9A29.C15.o1.ts	Method	TBLASTX:Soybean
Start	3846	End	4100
GI	none	Score	113
Exons	3846..4076, 3849..4100, 3874..4098		

Seq. No.	30791	Seq. ID	OJ990619_53.9A29.C15
Gene No.	63690	Strand	-
Start	3629	End	4380
Name	OJ990619_53.9A29.C15.o1.tc	Method	TBLASTX:Cress
Start	3876	End	4104
GI	none	Score	114
Exons	3876..4100, 3877..4104		

Seq. No.	30792	Seq. ID	OJ990619_53.9A29.C16
Gene No.	63691	Strand	+
Start	415	End	855
Name	OJ990619_53.9A29.C16.o1.gs	Method	GENSCAN
Start	415	End	855
GI	none	Score	43
Exons	415..627, 766..855		

Seq. No.	30792	Seq. ID	OJ990619_53.9A29.C16
Gene No.	63692	Strand	-
Start	1	End	273
Name	OJ990619_53.9A29.C16.o1.gp	Method	AAT/GAP
Start	1	End	273
GI	none	Score	522
Exons	1..273		

Seq. No.	30793	Seq. ID	OJ990619_53.9A29.C17
Gene No.	63693	Strand	-
Start	178	End	1253
Name	OJ990619_53.9A29.C17.o1.gs	Method	GENSCAN

Start	178	End	1253
GI	none	Score	.56
Exons	178..203, 262..481, 565..624, 685..721, 943..1253		

Seq. No.	30794	Seq. ID	OJ990619_53.9A29.C18
Gene No.	63694	Strand	-
Start	1	End	2187
Name	OJ990619_53.9A29.C18.o1.np	Method	AAT/NAP
Start	1	End	2108
GI	6815097	Score	657
Exons	1..173, 288..918, 1261..2108		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	30794	Seq. ID	OJ990619_53.9A29.C18
Gene No.	63694	Strand	-
Start	1	End	2187
Name	OJ990619_53.9A29.C18.o1.gs	Method	GENSCAN
Start	1270	End	2187
GI	none	Score	.61
Exons	1270..1349, 2148..2187		

Seq. No.	30795	Seq. ID	OJ990619_53.9A29.C19
Gene No.	63695	Strand	+
Start	601	End	3275
Name	OJ990619_53.9A29.C19.o1.np	Method	AAT/NAP
Start	601	End	3275
GI	4835588	Score	55
Exons	601..786, 1371..1453, 3129..3275		
GI Descrip.	(AB027054) nitrilase-like protein [Oryza sativa]		

Seq. No.	30796	Seq. ID	OJ990619_53.9A29.C20
Gene No.	63696	Strand	-
Start	393	End	1636
Name	OJ990619_53.9A29.C20.o1.gs	Method	GENSCAN
Start	393	End	1087
GI	none	Score	.69
Exons	393..528, 963..1087		

Seq. No.	30796	Seq. ID	OJ990619_53.9A29.C20
Gene No.	63696	Strand	-
Start	393	End	1636
Name	OJ990619_53.9A29.C20.o1.gp	Method	AAT/GAP
Start	711	End	1636
GI	273_1.R1084	Score	1588
Exons	711..1441, 1536..1636		
GI Descrip.	'417260/sp|Q03200|LRP_ORYSA 8.0e-41 LIGHT REGULATED PROTEIN PRECURSOR >gi_422003_pir__S33632 lir1 protein - rice >gi_20263_emb_CAA48706_ (X68807) light-regulated gene [Oryza sativa]'		

Seq. No.	30796	Seq. ID	OJ990619_53.9A29.C20
Gene No.	63696	Strand	-
Start	393	End	1636
Name	OJ990619_53.9A29.C20.o1.np	Method	AAT/NAP
Start	1387	End	1636
GI	417260	Score	238

Exons	1387..1441, 1536..1636		
GI Descrip.	LIGHT REGULATED PROTEIN PRECURSOR gi|422003|pir||S33632 lir1 protein - rice gi|20263|emb|CAA48706| (X68807) light-regulated gene [Oryza sativa]		

Seq. No.	30797	Seq. ID	OJ990619_53.9A29.C21
Gene No.	63697	Strand	-
Start	1	End	81
Name	OJ990619_53.9A29.C21.o1.gp	Method	AAT/GAP
Start	1	End	81
GI	273_10.R1084	Score	139
Exons	1..81		
GI Descrip.	'20262/emb|X68807|OSLIAA 1.0e-148 O.sativa light-induced mRNA'		

Seq. No.	30797	Seq. ID	OJ990619_53.9A29.C21
Gene No.	63698	Strand	-
Start	578	End	1212
Name	OJ990619_53.9A29.C21.o1.gs	Method	GENSCAN
Start	578	End	1087
GI	none	Score	.55
Exons	578..628, 939..1087		

Seq. No.	30797	Seq. ID	OJ990619_53.9A29.C21
Gene No.	63698	Strand	-
Start	578	End	1212
Name	OJ990619_53.9A29.C21.o1.np	Method	AAT/NAP
Start	930	End	1212
GI	6119520	Score	118
Exons	930..1212		
GI Descrip.	(AC011560) unknown protein [Arabidopsis thaliana]		

Seq. No.	30798	Seq. ID	OJ990619_53.9A29.C22
Gene No.	63699	Strand	+
Start	1	End	238
Name	OJ990619_53.9A29.C22.o1.gp	Method	AAT/GAP
Start	1	End	238
GI	287135	Score	444
Exons	1..238		

Seq. No.	30799	Seq. ID	OJ990619_53.9A29.C23
Gene No.	63700	Strand	+
Start	4256	End	9982
Name	OJ990619_53.9A29.C23.o1.np	Method	AAT/NAP
Start	3945	End	5604
GI	4455312	Score	286
Exons	3945..3988, 4268..4690, 5473..5604		
GI Descrip.	(AL035528) DnaJ-like protein [Arabidopsis thaliana]		

Seq. No.	30799	Seq. ID	OJ990619_53.9A29.C23
Gene No.	63700	Strand	+
Start	4256	End	9982
Name	OJ990619_53.9A29.C23.o2.gs	Method	GENSCAN
Start	4256	End	9982
GI	none	Score	.56
Exons	4256..4681, 5467..5609, 6605..6657, 7189..7349, 7486..7579, 7684..7835, 7961..8048, 8097..9430, 9971..9982		

Seq. No.	30799	Seq. ID	OJ990619_53.9A29.C23
Gene No.	63701	Strand	-
Start	10735	End	10953
Name	OJ990619_53.9A29.C23.o3.gs	Method	GENSCAN
Start	10735	End	10953
GI	none	Score	.94
Exons	10735..10953		

Seq. No.	30799	Seq. ID	OJ990619_53.9A29.C23
Gene No.	63701	Strand	-
Start	10735	End	10953
Name	OJ990619_53.9A29.C23.o2.np	Method	AAT/NAP
Start	10741	End	10953
GI	6091733	Score	180
Exons	10741..10953		
GI Descrip.	(AC010797) unknown protein [Arabidopsis thaliana] gi|6513937|gb|AAF14841.1|AC011664_23 (AC011664) unknown protein [Arabidopsis thaliana]		

Seq. No.	30799	Seq. ID	OJ990619_53.9A29.C23
Gene No.	63702	Strand	-
Start	11574	End	13159
Name	OJ990619_53.9A29.C23.o4.gs	Method	GENSCAN
Start	11574	End	13159
GI	none	Score	.66
Exons	11574..11960, 12068..13159		

Seq. No.	30799	Seq. ID	OJ990619_53.9A29.C23
Gene No.	63702	Strand	-
Start	11574	End	13159
Name	OJ990619_53.9A29.C23.o3.np	Method	AAT/NAP
Start	11583	End	13030
GI	6523092	Score	1309
Exons	11583..13030		
GI Descrip.	(AL133315) putative protein [Arabidopsis thaliana]		

Seq. No.	30799	Seq. ID	OJ990619_53.9A29.C23
Gene No.	63703	Strand	-
Start	14677	End	15708
Name	OJ990619_53.9A29.C23.o2.tm	Method	TBLASTX:Maize
Start	4336	End	5600
GI	none	Score	357
Exons	4336..4398, 4387..4656, 4388..4678, 5463..5600, 5467..5580		

Seq. No.	30799	Seq. ID	OJ990619_53.9A29.C23
Gene No.	63703	Strand	-
Start	14677	End	15708
Name	OJ990619_53.9A29.C23.o2.tc	Method	TBLASTX:Cress
Start	4394	End	5550
GI	none	Score	246
Exons	4394..4627, 4423..4656, 5473..5550		

Seq. No.	30799	Seq. ID	OJ990619_53.9A29.C23
Gene No.	63703	Strand	-
Start	14677	End	15708
Name	OJ990619_53.9A29.C23.o2.ts	Method	TBLASTX:Soybean
Start	4415	End	5580

GI	none	Score	245
Exons	4415..4630, 4423..4587, 5473..5580		

Seq. No.	30799	Seq. ID	OJ990619_53.9A29.C23
Gene No.	63703	Strand	-
Start	14677	End	15708
Name	OJ990619_53.9A29.C23.o3.tm	Method	TBLASTX:Maize
Start	7495	End	8284
GI	none	Score	72
Exons	7495..7551, 7928..8047, 7933..8043, 7942..8049, 8127..8279, 8159..8284		

Seq. No.	30799	Seq. ID	OJ990619_53.9A29.C23
Gene No.	63703	Strand	-
Start	14677	End	15708
Name	OJ990619_53.9A29.C23.o1.tm	Method	TBLASTX:Maize
Start	11604	End	12619
GI	none	Score	159
Exons	11604..11726, 11751..11822, 11873..12034, 11877..12035, 12077..12319, 12078..12407, 12362..12448, 12476..12619		

Seq. No.	30799	Seq. ID	OJ990619_53.9A29.C23
Gene No.	63703	Strand	-
Start	14677	End	15708
Name	OJ990619_53.9A29.C23.o1.tw	Method	TBLASTX:Wheat
Start	11627	End	12001
GI	none	Score	35
Exons	11627..11668, 11631..11732, 11721..11822, 11766..11822, 11879..12001, 11880..11996		

Seq. No.	30799	Seq. ID	OJ990619_53.9A29.C23
Gene No.	63703	Strand	-
Start	14677	End	15708
Name	OJ990619_53.9A29.C23.o1.tc	Method	TBLASTX:Cress
Start	11873	End	12758
GI	none	Score	130
Exons	11873..12034, 11877..12026, 12077..12319, 12078..12266, 12455..12694, 12558..12758		

Seq. No.	30799	Seq. ID	OJ990619_53.9A29.C23
Gene No.	63703	Strand	-
Start	14677	End	15708
Name	OJ990619_53.9A29.C23.o1.ts	Method	TBLASTX:Soybean
Start	11898	End	12370
GI	none	Score	139
Exons	11898..12035, 11900..12034, 12077..12370, 12078..12266, 12330..12368		

Seq. No.	30799	Seq. ID	OJ990619_53.9A29.C23
Gene No.	63703	Strand	-
Start	14677	End	15708
Name	OJ990619_53.9A29.C23.o5.gs	Method	GENSCAN
Start	14677	End	15708
GI	none	Score	.89
Exons	14677..14714, 15504..15708		

Seq. No.	30800	Seq. ID	OJ990619_53.9A29.C24

Gene No.	63704	Strand	+
Start	1	End	794
Name	OJ990619_53.9A29.C24.o1.np	Method	AAT/NAP
Start	1	End	794
GI	6815097	Score	733
Exons	1..245, 387..794		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	30801	Seq. ID	OJ990619_53.9A29.C25
Gene No.	63705	Strand	-
Start	132	End	3778
Name	OJ990619_53.9A29.C25.o2.tm	Method	TBLASTX:Maize
Start	2	End	280
GI	none	Score	184
Exons	2..280, 2..280		

Seq. No.	30801	Seq. ID	OJ990619_53.9A29.C25
Gene No.	63705	Strand	-
Start	132	End	3778
Name	OJ990619_53.9A29.C25.o1.gs	Method	GENSCAN
Start	132	End	2941
GI	none	Score	.81
Exons	132..225, 863..1412, 1909..2941		

Seq. No.	30801	Seq. ID	OJ990619_53.9A29.C25
Gene No.	63705	Strand	-
Start	132	End	3778
Name	OJ990619_53.9A29.C25.o1.tm	Method	TBLASTX:Maize
Start	1034	End	1312
GI	none	Score	73
Exons	1034..1087, 1035..1100, 1105..1311, 1105..1311, 1112..1312		

Seq. No.	30801	Seq. ID	OJ990619_53.9A29.C25
Gene No.	63705	Strand	-
Start	132	End	3778
Name	OJ990619_53.9A29.C25.o2.ts	Method	TBLASTX:Soybean
Start	1090	End	1270
GI	none	Score	147
Exons	1090..1269, 1097..1270		

Seq. No.	30801	Seq. ID	OJ990619_53.9A29.C25
Gene No.	63705	Strand	-
Start	132	End	3778
Name	OJ990619_53.9A29.C25.o3.tm	Method	TBLASTX:Maize
Start	2030	End	2225
GI	none	Score	146
Exons	2030..2212, 2043..2225, 2044..2160, 2048..2224		

Seq. No.	30801	Seq. ID	OJ990619_53.9A29.C25
Gene No.	63705	Strand	-
Start	132	End	3778
Name	OJ990619_53.9A29.C25.o1.ts	Method	TBLASTX:Soybean
Start	2045	End	2572
GI	none	Score	153
Exons	2045..2107, 2123..2329, 2136..2312, 2382..2486, 2387..2572		

Seq. No.	30801	Seq. ID	OJ990619_53.9A29.C25
Gene No.	63705	Strand	-
Start	132	End	3778
Name	OJ990619_53.9A29.C25.o1.np	Method	AAT/NAP
Start	2396	End	3778
GI	5419655	Score	66
Exons	2396..2541, 2578..2695, 3734..3778		
GI Descrip.	(AJ012737) filamin, muscle isoform [Homo sapiens]		

Seq. No.	30802	Seq. ID	OJ990619_53.9A29.C26
Gene No.	63706	Strand	-
Start	165	End	452
Name	OJ990619_53.9A29.C26.o1.gs	Method	GENSCAN
Start	165	End	452
GI	none	Score	.77
Exons	165..326, 408..452		

Seq. No.	30803	Seq. ID	OJ990619_53.9A29.C27
Gene No.	63707	Strand	-
Start	1	End	324
Name	OJ990619_53.9A29.C27.o1.np	Method	AAT/NAP
Start	1	End	324
GI	5803259	Score	308
Exons	1..324		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63708	Strand	+
Start	374	End	3908
Name	OJ990619_48.9A20.C1.o1.np	Method	AAT/NAP
Start	374	End	3519
GI	2388689	Score	396
Exons	374..479, 570..894, 1492..1818, 2528..2657, 2770..2831, 3485..3519		
GI Descrip.	(AF016633) GH1 protein [Glycine max]		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63708	Strand	+
Start	374	End	3908
Name	OJ990619_48.9A20.C1.o1.gp	Method	AAT/GAP
Start	391	End	3908
GI	1605_1.R1084	Score	2434
Exons	391..878, 1586..1818, 2558..2657, 2770..2831, 3485..3908		
GI Descrip.	'4093157 1.0e-40 (AF087936) phytochrome-associated protein 2 [Arabidopsis thaliana] >gi_4972054_emb_CAB43922.1_ (AL078470) phytochrome-associated protein PAP2 [Arabidopsis thaliana]'		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63708	Strand	+
Start	374	End	3908
Name	OJ990619_48.9A20.C1.o1.gs	Method	GENSCAN
Start	539	End	3522
GI	none	Score	.92
Exons	539..846, 1586..1818, 2558..2657, 2770..2831, 3485..3522		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63709	Strand	+

Start	6750	End	7770
Name	OJ990619_48.9A20.C1.o2.gs	Method	GENSCAN
Start	6750	End	7770
GI	none	Score	.51
Exons	6750..6890, 7253..7378, 7735..7770		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63710	Strand	+
Start	25625	End	27912
Name	OJ990619_48.9A20.C1.o5.gs	Method	GENSCAN
Start	25625	End	27912
GI	none	Score	.58
Exons	25625..25676, 26462..26623, 26872..27207, 27797..27912		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63711	Strand	-
Start	8989	End	25766
Name	OJ990619_48.9A20.C1.o1.tm	Method	TBLASTX:Maize
Start	481	End	3877
GI	none	Score	86
Exons	481..552, 512..583, 515..580, 586..657, 587..673, 693..743, 712..744, 1584..1823, 1586..1819, 2554..2658, 2558..2659, 2756..2830, 2770..2829, 2772..2891, 3484..3528, 3484..3528, 3485..3535, 3485..3529, 3591..3710, 3592..3711, 3595..3711, 3596..3715, 3761..3778, 3806..3826, 3822..3875, 3839..3877		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63711	Strand	-
Start	8989	End	25766
Name	OJ990619_48.9A20.C1.o3.ts	Method	TBLASTX:Soybean
Start	527	End	1826
GI	none	Score	98
Exons	527..673, 715..738, 1583..1639, 1584..1667, 1590..1646, 1644..1826, 1685..1825		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63711	Strand	-
Start	8989	End	25766
Name	OJ990619_48.9A20.C1.o2.tw	Method	TBLASTX:Wheat
Start	1559	End	2674
GI	none	Score	201
Exons	1559..1816, 1583..1642, 1587..1712, 1641..1823, 1644..1724, 1682..1819, 2583..2657, 2584..2658, 2585..2674		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63711	Strand	-
Start	8989	End	25766
Name	OJ990619_48.9A20.C1.o3.tc	Method	TBLASTX:Cress
Start	1583	End	2830
GI	none	Score	87
Exons	1583..1636, 1584..1640, 1701..1820, 1703..1819, 2593..2658, 2596..2658, 2756..2830, 2770..2829		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63711	Strand	-
Start	8989	End	25766
Name	OJ990619_48.9A20.C1.o4.ts	Method	TBLASTX:Soybean

Start	2557	End	2830
GI	none	Score	40
Exons	2557..2580, 2591..2656, 2592..2657, 2593..2658, 2593..2658, 2594..2659, 2756..2830, 2764..2829		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63711	Strand	-
Start	8989	End	25766
Name	OJ990619_48.9A20.C1.o3.gs	Method	GENSCAN
Start	8989	End	16228
GI	none	Score	.76
Exons	8989..9054, 11102..11242, 11498..11605, 14085..14132, 14221..14433, 15222..15339, 15435..15515, 15816..15918, 16150..16228		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63711	Strand	-
Start	8989	End	25766
Name	OJ990619_48.9A20.C1.o2.gp	Method	AAT/GAP
Start	9598	End	11269
GI	1821_1.R1084	Score	1574
Exons	9598..10283, 11102..11269		
GI Descrip.	'2760327 1.0e-23 (AC002130) F1N21.12 [Arabidopsis thaliana]'		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63711	Strand	-
Start	8989	End	25766
Name	OJ990619_48.9A20.C1.o2.tm	Method	TBLASTX:Maize
Start	10118	End	15898
GI	none	Score	46
Exons	10118..10147, 10119..10154, 10146..10193, 10210..10236, 10231..10284, 10239..10283, 11097..11243, 11097..11162, 11099..11245, 11099..11245, 11105..11236, 11112..11246, 11488..11595, 11495..11605, 11499..11606, 11499..11606, 11500..11607, 11519..11605, 11532..11606, 11537..11617, 14085..14147, 14085..14135, 14086..14148, 14217..14348, 14219..14431, 14221..14478, 14221..14433, 14302..14433, 15219..15302, 15220..15285, 15223..15303, 15374..15517, 15386..15514, 15389..15511, 15390..15518, 15390..15497, 15390..15518, 15815..15898, 15827..15898		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63711	Strand	-
Start	8989	End	25766
Name	OJ990619_48.9A20.C1.o2.np	Method	AAT/NAP
Start	10245	End	17517
GI	2760327	Score	1083
Exons	10245..10283, 11102..11242, 11498..11605, 14085..14132, 14221..14433, 15222..15286, 15391..15515, 15816..15979, 16103..16196, 17465..17517		
GI Descrip.	(AC002130) F1N21.12 [Arabidopsis thaliana]		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63711	Strand	-
Start	8989	End	25766
Name	OJ990619_48.9A20.C1.o1.tc	Method	TBLASTX:Cress
Start	11105	End	15517

GI	none	Score	87
Exons	11105..11236, 11112..11237, 11517..11606, 11519..11605, 14085..14147, 14085..14144, 14219..14428, 14221..14427, 14221..14433, 14222..14434, 15219..15287, 15220..15285, 15389..15517, 15396..15515, 15416..15457		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63711	Strand	-
Start	8989	End	25766
Name	OJ990619_48.9A20.C1.o1.tw	Method	TBLASTX:Wheat
Start	11108	End	15901
GI	none	Score	99
Exons	11108..11182, 11478..11534, 11498..11605, 11499..11633, 11499..11630, 11503..11607, 11504..11605, 11531..11620, 11532..11606, 14085..14150, 14085..14135, 14219..14380, 14221..14385, 14221..14391, 14227..14280, 15219..15302, 15220..15285, 15386..15511, 15389..15514, 15389..15511, 15390..15518, 15390..15515, 15827..15901		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63711	Strand	-
Start	8989	End	25766
Name	OJ990619_48.9A20.C1.o2.ts	Method	TBLASTX:Soybean
Start	11150	End	15901
GI	none	Score	74
Exons	11150..11236, 11151..11246, 11504..11605, 11514..11606, 14085..14144, 14227..14280, 14338..14433, 14345..14464, 15219..15302, 15220..15285, 15389..15517, 15396..15515, 15827..15901		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63711	Strand	-
Start	8989	End	25766
Name	OJ990619_48.9A20.C1.o3.gp	Method	AAT/GAP
Start	11502	End	16254
GI	12523_1.R1084	Score	1614
Exons	11502..11605, 14085..14132, 14221..14433, 15222..15286, 15391..15515, 15816..16044, 16150..16254		
GI Descrip.	'2760327 1.0e-108 (AC002130) F1N21.12 [Arabidopsis thaliana]'		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63711	Strand	-
Start	8989	End	25766
Name	OJ990619_48.9A20.C1.o4.gs	Method	GENSCAN
Start	17382	End	25333
GI	none	Score	.5
Exons	17382..18016, 21374..21406, 22704..23206, 23312..23666, 23772..23983, 25128..25333		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63711	Strand	-
Start	8989	End	25766
Name	OJ990619_48.9A20.C1.o4.gp	Method	AAT/GAP
Start	20959	End	21379
GI	none	Score	772
Exons	20959..21379		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63711	Strand	-
Start	8989	End	25766
Name	OJ990619_48.9A20.C1.o3.np	Method	AAT/NAP
Start	22570	End	25766
GI	3193290	Score	368
Exons	22570..23206, 23312..23626, 25739..25766		
GI Descrip.	(AF069298) contains similarity to a protein kinase domain (Pfam: pkinase.hmm, score: 165.48), to legume lectins beta domain (Pfam: lectin_legB.hmm, score: 125.64) and legume lectins alpha domain (Pfam: lectin_legA.hmm, score: 16.72) [Arabido...		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63711	Strand	-
Start	8989	End	25766
Name	OJ990619_48.9A20.C1.o3.tm	Method	TBLASTX:Maize
Start	22708	End	23649
GI	none	Score	66
Exons	22708..22866, 22906..23151, 23161..23214, 23338..23535, 23548..23649		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63711	Strand	-
Start	8989	End	25766
Name	OJ990619_48.9A20.C1.o1.ts	Method	TBLASTX:Soybean
Start	22732	End	23652
GI	none	Score	96
Exons	22732..22842, 22912..23025, 23041..23148, 23161..23208, 23302..23328, 23347..23496, 23548..23652		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63711	Strand	-
Start	8989	End	25766
Name	OJ990619_48.9A20.C1.o2.tc	Method	TBLASTX:Cress
Start	22912	End	23673
GI	none	Score	96
Exons	22912..23025, 23041..23148, 23161..23208, 23302..23328, 23347..23496, 23542..23673		

Seq. No.	30804	Seq. ID	OJ990619_48.9A20.C1
Gene No.	63711	Strand	-
Start	8989	End	25766
Name	OJ990619_48.9A20.C1.o3.tw	Method	TBLASTX:Wheat
Start	22915	End	23208
GI	none	Score	61
Exons	22915..23049, 22916..23002, 23051..23137, 23053..23208		

Seq. No.	30805	Seq. ID	OJ990619_48.9A20.C2
Gene No.	63712	Strand	+
Start	1158	End	4490
Name	OJ990619_48.9A20.C2.o1.np	Method	AAT/NAP
Start	1158	End	2701
GI	3600044	Score	191
Exons	1158..1451, 2679..2701		
GI Descrip.	(AF080119) contains similarity to proteases [Arabidopsis thaliana]		

Seq. No.	30805	Seq. ID	OJ990619_48.9A20.C2
Gene No.	63712	Strand	+
Start	1158	End	4490
Name	OJ990619_48.9A20.C2.o2.np	Method	AAT/NAP
Start	1572	End	4490
GI	5734705	Score	99
Exons	1572..1760, 2745..2866, 2916..3150, 4390..4490		
GI Descrip.	(AC008075) F24J5.4 [Arabidopsis thaliana] gi|6524187|gb|AAF15072.1|AC011914_14 (AC011914) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30805	Seq. ID	OJ990619_48.9A20.C2
Gene No.	63713	Strand	-
Start	3952	End	4100
Name	OJ990619_48.9A20.C2.o2.tm	Method	TBLASTX:Maize
Start	1003	End	1185
GI	none	Score	169
Exons	1003..1185, 1004..1168		

Seq. No.	30805	Seq. ID	OJ990619_48.9A20.C2
Gene No.	63713	Strand	-
Start	3952	End	4100
Name	OJ990619_48.9A20.C2.o1.tc	Method	TBLASTX:Cress
Start	1180	End	1452
GI	none	Score	191
Exons	1180..1452, 1260..1370		

Seq. No.	30805	Seq. ID	OJ990619_48.9A20.C2
Gene No.	63713	Strand	-
Start	3952	End	4100
Name	OJ990619_48.9A20.C2.o1.tm	Method	TBLASTX:Maize
Start	1188	End	1419
GI	none	Score	341
Exons	1188..1412, 1189..1419, 1192..1419		

Seq. No.	30805	Seq. ID	OJ990619_48.9A20.C2
Gene No.	63713	Strand	-
Start	3952	End	4100
Name	OJ990619_48.9A20.C2.o1.ts	Method	TBLASTX:Soybean
Start	1198	End	1425
GI	none	Score	182
Exons	1198..1425, 1203..1418		

Seq. No.	30805	Seq. ID	OJ990619_48.9A20.C2
Gene No.	63713	Strand	-
Start	3952	End	4100
Name	OJ990619_48.9A20.C2.o1.tw	Method	TBLASTX:Wheat
Start	1242	End	1448
GI	none	Score	197
Exons	1242..1448, 1243..1419		

Seq. No.	30805	Seq. ID	OJ990619_48.9A20.C2
Gene No.	63713	Strand	-
Start	3952	End	4100
Name	OJ990619_48.9A20.C2.o2.gs	Method	GENSCAN
Start	3952	End	4100
GI	none	Score	.84

Exons	3952..4100		
Seq. No.	30806	Seq. ID	OJ990619_48.9A20.C3
Gene No.	63714	Strand	+
Start	306	End	523
Name	OJ990619_48.9A20.C3.o1.gs	Method	GENSCAN
Start	306	End	523
GI	none	Score	.63
Exons	306..384, 424..523		
Seq. No.	30806	Seq. ID	OJ990619_48.9A20.C3
Gene No.	63715	Strand	-
Start	999	End	3670
Name	OJ990619_48.9A20.C3.o2.gs	Method	GENSCAN
Start	999	End	3194
GI	none	Score	.42
Exons	999..1059, 1504..1630, 3080..3194		
Seq. No.	30806	Seq. ID	OJ990619_48.9A20.C3
Gene No.	63715	Strand	-
Start	999	End	3670
Name	OJ990619_48.9A20.C3.o1.np	Method	AAT/NAP
Start	1460	End	3670
GI	4680183	Score	186
Exons	1460..1551, 2163..2268, 3551..3670		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	30807	Seq. ID	OJ990619_48.9A20.C4
Gene No.	63716	Strand	+
Start	1104	End	1270
Name	OJ990619_48.9A20.C4.o1.gs	Method	GENSCAN
Start	1104	End	1270
GI	none	Score	.79
Exons	1104..1270		
Seq. No.	30807	Seq. ID	OJ990619_48.9A20.C4
Gene No.	63717	Strand	+
Start	6293	End	6993
Name	OJ990619_48.9A20.C4.o3.gs	Method	GENSCAN
Start	6293	End	6993
GI	none	Score	.64
Exons	6293..6371, 6824..6993		
Seq. No.	30807	Seq. ID	OJ990619_48.9A20.C4
Gene No.	63718	Strand	+
Start	11049	End	13583
Name	OJ990619_48.9A20.C4.o1.np	Method	AAT/NAP
Start	11049	End	12822
GI	4584429	Score	637
Exons	11049..11199, 11312..11532, 12454..12822		
GI Descrip.	(AJ237751) aquaglyceroporin [Nicotiana tabacum]		
Seq. No.	30807	Seq. ID	OJ990619_48.9A20.C4
Gene No.	63718	Strand	+
Start	11049	End	13583
Name	OJ990619_48.9A20.C4.o4.gs	Method	GENSCAN
Start	11049	End	13583

GI	none	Score	.88
Exons	11049..11178, 11279..11532, 12454..12699, 13467..13583		

Seq. No.	30807	Seq. ID	OJ990619_48.9A20.C4
Gene No.	63718	Strand	+
Start	11049	End	13583
Name	OJ990619_48.9A20.C4.o1.gp	Method	AAT/GAP
Start	11353	End	13132
GI	1691_1.R1084	Score	1598
Exons	11353..11532, 12454..13132		
GI Descrip.	'3643602 1.0e-49 (AC005395) putative tonoplast intrinsic protein [Arabidopsis thaliana]'		

Seq. No.	30807	Seq. ID	OJ990619_48.9A20.C4
Gene No.	63719	Strand	-
Start	2922	End	3997
Name	OJ990619_48.9A20.C4.o2.gs	Method	GENSCAN
Start	2922	End	3997
GI	none	Score	.57
Exons	2922..3082, 3551..3688, 3796..3997		

Seq. No.	30807	Seq. ID	OJ990619_48.9A20.C4
Gene No.	63720	Strand	-
Start	12122	End	15248
Name	OJ990619_48.9A20.C4.o2.np	Method	AAT/NAP
Start	12122	End	14801
GI	6539570	Score	201
Exons	12122..12145, 14366..14432, 14599..14801		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	30807	Seq. ID	OJ990619_48.9A20.C4
Gene No.	63720	Strand	-
Start	12122	End	15248
Name	OJ990619_48.9A20.C4.o5.gs	Method	GENSCAN
Start	13897	End	15248
GI	none	Score	.91
Exons	13897..14171, 14366..14386, 14562..14759, 14874..14946, 15195..15248		

Seq. No.	30807	Seq. ID	OJ990619_48.9A20.C4
Gene No.	63721	Strand	-
Start	15959	End	16600
Name	OJ990619_48.9A20.C4.o2.tm	Method	TBLASTX:Maize
Start	11090	End	11538
GI	none	Score	225
Exons	11090..11179, 11377..11538, 11379..11537		

Seq. No.	30807	Seq. ID	OJ990619_48.9A20.C4
Gene No.	63721	Strand	-
Start	15959	End	16600
Name	OJ990619_48.9A20.C4.o1.tw	Method	TBLASTX:Wheat
Start	11376	End	12533
GI	none	Score	246
Exons	11376..11549, 11377..11550, 12454..12513, 12459..12533, 12460..12531		

Seq. No.	30807	Seq. ID	OJ990619_48.9A20.C4

Gene No.	63721	Strand	-
Start	15959	End	16600
Name	OJ990619_48.9A20.C4.o1.tc	Method	TBLASTX:Cress
Start	11380	End	12825
GI	none	Score	143
Exons	11380..11532, 12453..12584, 12454..12585, 12568..12825, 12591..12761		

Seq. No.	30807	Seq. ID	OJ990619_48.9A20.C4
Gene No.	63721	Strand	-
Start	15959	End	16600
Name	OJ990619_48.9A20.C4.o1.ts	Method	TBLASTX:Soybean
Start	11380	End	12783
GI	none	Score	165
Exons	11380..11538, 12450..12566, 12451..12570, 12568..12783, 12576..12758, 12619..12780		

Seq. No.	30807	Seq. ID	OJ990619_48.9A20.C4
Gene No.	63721	Strand	-
Start	15959	End	16600
Name	OJ990619_48.9A20.C4.o1.tm	Method	TBLASTX:Maize
Start	12493	End	12807
GI	none	Score	347
Exons	12493..12807, 12498..12770		

Seq. No.	30807	Seq. ID	OJ990619_48.9A20.C4
Gene No.	63721	Strand	-
Start	15959	End	16600
Name	OJ990619_48.9A20.C4.o2.tw	Method	TBLASTX:Wheat
Start	12535	End	12783
GI	none	Score	38
Exons	12535..12585, 12568..12783, 12591..12767, 12634..12690		

Seq. No.	30807	Seq. ID	OJ990619_48.9A20.C4
Gene No.	63721	Strand	-
Start	15959	End	16600
Name	OJ990619_48.9A20.C4.o6.gs	Method	GENSCAN
Start	15959	End	16447
GI	none	Score	.99
Exons	15959..16447		

Seq. No.	30807	Seq. ID	OJ990619_48.9A20.C4
Gene No.	63721	Strand	-
Start	15959	End	16600
Name	OJ990619_48.9A20.C4.o3.np	Method	AAT/NAP
Start	15965	End	16600
GI	1402912	Score	316
Exons	15965..16600		
GI Descrip.	(X98317) peroxidase [Arabidopsis thaliana]		

Seq. No.	30808	Seq. ID	OJ990619_48.9A20.C5
Gene No.	63722	Strand	+
Start	4467	End	10554
Name	OJ990619_48.9A20.C5.o2.gs	Method	GENSCAN
Start	4467	End	10532
GI	none	Score	.71
Exons	4467..4503, 4929..5003, 5189..5255, 5949..6271, 8230..8360,		

8488..8551, 8899..9125, 9482..10009, 10473..10532

Seq. No.	30808	Seq. ID	OJ990619_48.9A20.C5
Gene No.	63722	Strand	+
Start	4467	End	10554
Name	OJ990619_48.9A20.C5.o3.gp	Method	AAT/GAP
Start	8529	End	9572
GI	none	Score	1319
Exons	8529..9125, 9482..9572		

Seq. No.	30808	Seq. ID	OJ990619_48.9A20.C5
Gene No.	63722	Strand	+
Start	4467	End	10554
Name	OJ990619_48.9A20.C5.o4.gp	Method	AAT/GAP
Start	10010	End	10554
GI	none	Score	844
Exons	10010..10391, 10473..10554		

Seq. No.	30808	Seq. ID	OJ990619_48.9A20.C5
Gene No.	63723	Strand	+
Start	13380	End	13460
Name	OJ990619_48.9A20.C5.o5.gp	Method	AAT/GAP
Start	13380	End	13460
GI	38012_1.R1084	Score	100
Exons	13380..13460		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	30808	Seq. ID	OJ990619_48.9A20.C5
Gene No.	63724	Strand	-
Start	1	End	2025
Name	OJ990619_48.9A20.C5.o1.np	Method	AAT/NAP
Start	1	End	2025
GI	4539658	Score	130
Exons	1..19, 1717..1876, 1917..2025		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	30808	Seq. ID	OJ990619_48.9A20.C5
Gene No.	63724	Strand	-
Start	1	End	2025
Name	OJ990619_48.9A20.C5.o1.gs	Method	GENSCAN
Start	198	End	500
GI	none	Score	.61
Exons	198..281, 336..500		

Seq. No.	30808	Seq. ID	OJ990619_48.9A20.C5
Gene No.	63725	Strand	-
Start	3605	End	3750
Name	OJ990619_48.9A20.C5.o2.np	Method	AAT/NAP
Start	3605	End	3750
GI	6815099	Score	88
Exons	3605..3750		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	30808	Seq. ID	OJ990619_48.9A20.C5
Gene No.	63726	Strand	-

Start	10820	End	14520
Name	OJ990619_48.9A20.C5.o2.tm	Method	TBLASTX:Maize
Start	8060	End	8516
GI	none	Score	85
Exons	8060..8125, 8061..8132, 8226..8360, 8228..8296, 8232..8360, 8487..8516		

Seq. No.	30808	Seq. ID	OJ990619_48.9A20.C5
Gene No.	63726	Strand	-
Start	10820	End	14520
Name	OJ990619_48.9A20.C5.o3.gs	Method	GENSCAN
Start	10820	End	14520
GI	none	Score	.41
Exons	10820..11127, 11241..12003, 12011..12271, 12553..12795, 13809..13973, 14362..14520		

Seq. No.	30808	Seq. ID	OJ990619_48.9A20.C5
Gene No.	63726	Strand	-
Start	10820	End	14520
Name	OJ990619_48.9A20.C5.o3.np	Method	AAT/NAP
Start	11659	End	12973
GI	2213608	Score	684
Exons	11659..12973		
GI Descrip.	(AC000103) F21J9.2 [Arabidopsis thaliana]		

Seq. No.	30808	Seq. ID	OJ990619_48.9A20.C5
Gene No.	63726	Strand	-
Start	10820	End	14520
Name	OJ990619_48.9A20.C5.o1.tm	Method	TBLASTX:Maize
Start	12197	End	12547
GI	none	Score	76
Exons	12197..12289, 12268..12543, 12416..12547		

Seq. No.	30808	Seq. ID	OJ990619_48.9A20.C5
Gene No.	63726	Strand	-
Start	10820	End	14520
Name	OJ990619_48.9A20.C5.o1.tw	Method	TBLASTX:Wheat
Start	12277	End	12672
GI	none	Score	109
Exons	12277..12567, 12277..12672, 12290..12619		

Seq. No.	30808	Seq. ID	OJ990619_48.9A20.C5
Gene No.	63726	Strand	-
Start	10820	End	14520
Name	OJ990619_48.9A20.C5.o1.ts	Method	TBLASTX:Soybean
Start	12391	End	12868
GI	none	Score	73
Exons	12391..12516, 12529..12723, 12539..12697, 12833..12868		

Seq. No.	30809	Seq. ID	OJ990619_48.9A20.C6
Gene No.	63727	Strand	+
Start	153	End	7968
Name	OJ990619_48.9A20.C6.o1.gs	Method	GENSCAN
Start	153	End	7968
GI	none	Score	.51
Exons	153..241, 996..1161, 2714..2950, 3792..3987, 5325..5422, 5610..6002, 6214..6403, 7315..7353, 7448..7540, 7585..7775,		

7882..7968

Seq. No.	30809	Seq. ID	OJ990619_48.9A20.C6
Gene No.	63728	Strand	+
Start	12244	End	17367
Name	OJ990619_48.9A20.C6.o3.gs	Method	GENSCAN
Start	12244	End	17344
GI	none	Score	.96
Exons	12244..12440, 12563..12680, 12844..12865, 13345..13415, 15166..15567, 15650..15713, 16136..16275, 16501..16674, 16991..17344		

Seq. No.	30809	Seq. ID	OJ990619_48.9A20.C6
Gene No.	63728	Strand	+
Start	12244	End	17367
Name	OJ990619_48.9A20.C6.o1.gp	Method	AAT/GAP
Start	12350	End	15497
GI	none	Score	903
Exons	12350..12440, 12563..12680, 15166..15497		

Seq. No.	30809	Seq. ID	OJ990619_48.9A20.C6
Gene No.	63728	Strand	+
Start	12244	End	17367
Name	OJ990619_48.9A20.C6.o3.np	Method	AAT/NAP
Start	15434	End	17367
GI	6862964	Score	558
Exons	15434..15563, 15616..15713, 16136..16296, 16363..16647, 16991..17089, 17166..17367		
GI Descrip.	(AC019018) putative ubiquitin-conjugating enzyme [Arabidopsis thaliana]		

Seq. No.	30809	Seq. ID	OJ990619_48.9A20.C6
Gene No.	63728	Strand	+
Start	12244	End	17367
Name	OJ990619_48.9A20.C6.o2.gp	Method	AAT/GAP
Start	16511	End	17216
GI	LIB3432-014-P1-K1-A3	Score	727
Exons	16511..16674, 16991..17216		
GI Descrip.	'3757521 3.0e-20 (AC005167) unknown protein [Arabidopsis thaliana]'		

Seq. No.	30809	Seq. ID	OJ990619_48.9A20.C6
Gene No.	63729	Strand	+
Start	18240	End	19817
Name	OJ990619_48.9A20.C6.o4.np	Method	AAT/NAP
Start	18216	End	19817
GI	6630697	Score	90
Exons	18216..18361, 19741..19817		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa]		

Seq. No.	30809	Seq. ID	OJ990619_48.9A20.C6
Gene No.	63729	Strand	+
Start	18240	End	19817
Name	OJ990619_48.9A20.C6.o4.gs	Method	GENSCAN
Start	18240	End	19153
GI	none	Score	.79
Exons	18240..18332, 18417..18580, 19048..19153		

Seq. No.	30809	Seq. ID	OJ990619_48.9A20.C6
Gene No.	63730	Strand	+
Start	25151	End	25564
Name	OJ990619_48.9A20.C6.o6.gs	Method	GENSCAN
Start	25151	End	25564
GI	none	Score	.98
Exons	25151..25564		

Seq. No.	30809	Seq. ID	OJ990619_48.9A20.C6
Gene No.	63731	Strand	-
Start	6734	End	11500
Name	OJ990619_48.9A20.C6.o1.np	Method	AAT/NAP
Start	6734	End	11500
GI	5295955	Score	338
Exons	6734..7781, 8347..8460, 8999..9067, 11451..11500		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	30809	Seq. ID	OJ990619_48.9A20.C6
Gene No.	63731	Strand	-
Start	6734	End	11500
Name	OJ990619_48.9A20.C6.o2.gs	Method	GENSCAN
Start	8281	End	10095
GI	none	Score	.76
Exons	8281..8392, 8406..8524, 8931..9067, 9835..9867, 10074..10095		

Seq. No.	30809	Seq. ID	OJ990619_48.9A20.C6
Gene No.	63732	Strand	-
Start	12689	End	16094
Name	OJ990619_48.9A20.C6.o2.np	Method	AAT/NAP
Start	12689	End	16094
GI	128732	Score	237
Exons	12689..12717, 14263..14526, 15958..16094		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 4, CHLOROPLAST gi|66181|pir||DERZN4 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 4 - rice chloroplast gi|12050|emb|CAA33953| (X15901) NADH dehydrogenase ND4 [Oryza sativa] gi|226670|prf||1603356CX NADH dehydrogenase ND4 [Oryza sativa]		

Seq. No.	30809	Seq. ID	OJ990619_48.9A20.C6
Gene No.	63733	Strand	-
Start	20655	End	22828
Name	OJ990619_48.9A20.C6.o2.tm	Method	TBLASTX:Maize
Start	13133	End	13324
GI	none	Score	50
Exons	13133..13162, 13138..13323, 13147..13305, 13163..13324		

Seq. No.	30809	Seq. ID	OJ990619_48.9A20.C6
Gene No.	63733	Strand	-
Start	20655	End	22828
Name	OJ990619_48.9A20.C6.o2.tc	Method	TBLASTX:Cress
Start	14264	End	14521
GI	none	Score	42
Exons	14264..14314, 14265..14315, 14268..14318, 14317..14421, 14321..14437, 14321..14431, 14421..14516, 14435..14521, 14438..14518		

Seq. No.	30809	Seq. ID	OJ990619_48.9A20.C6
Gene No.	63733	Strand	-
Start	20655	End	22828
Name	OJ990619_48.9A20.C6.o2.ts	Method	TBLASTX:Soybean
Start	14264	End	14530
GI	none	Score	36
Exons	14264..14314, 14268..14318, 14270..14314, 14317..14421, 14321..14437, 14348..14482, 14421..14522, 14430..14504, 14435..14530, 14438..14527		

Seq. No.	30809	Seq. ID	OJ990619_48.9A20.C6
Gene No.	63733	Strand	-
Start	20655	End	22828
Name	OJ990619_48.9A20.C6.o1.tm	Method	TBLASTX:Maize
Start	15343	End	17320
GI	none	Score	135
Exons	15343..15423, 15363..15422, 15471..15548, 15487..15570, 15490..15567, 15647..15721, 15658..15711, 15662..15718, 16133..16234, 16135..16278, 16146..16277, 16358..16657, 16362..16670, 16363..16674, 16988..17176, 16988..17083, 16990..17094, 17204..17320, 17212..17316		

Seq. No.	30809	Seq. ID	OJ990619_48.9A20.C6
Gene No.	63733	Strand	-
Start	20655	End	22828
Name	OJ990619_48.9A20.C6.o1.ts	Method	TBLASTX:Soybean
Start	15466	End	17092
GI	none	Score	71
Exons	15466..15543, 15644..15721, 16134..16274, 16135..16275, 16365..16670, 16366..16674, 16988..17092, 16988..17092		

Seq. No.	30809	Seq. ID	OJ990619_48.9A20.C6
Gene No.	63733	Strand	-
Start	20655	End	22828
Name	OJ990619_48.9A20.C6.o1.tc	Method	TBLASTX:Cress
Start	15502	End	16599
GI	none	Score	60
Exons	15502..15564, 15647..15721, 16138..16278, 16140..16238, 16361..16564, 16363..16599, 16365..16595		

Seq. No.	30809	Seq. ID	OJ990619_48.9A20.C6
Gene No.	63733	Strand	-
Start	20655	End	22828
Name	OJ990619_48.9A20.C6.o1.tw	Method	TBLASTX:Wheat
Start	16159	End	16671
GI	none	Score	136
Exons	16159..16275, 16159..16272, 16365..16454, 16368..16622, 16369..16671		

Seq. No.	30809	Seq. ID	OJ990619_48.9A20.C6
Gene No.	63733	Strand	-
Start	20655	End	22828
Name	OJ990619_48.9A20.C6.o5.gs	Method	GENSCAN
Start	20655	End	22828
GI	none	Score	.93
Exons	20655..20899, 22780..22828		

Seq. No.	30810	Seq. ID	OJ990619_48.9A20.C7
Gene No.	63734	Strand	+
Start	174	End	288
Name	OJ990619_48.9A20.C7.o1.gs	Method	GENSCAN
Start	174	End	288
GI	none	Score	.42
Exons	174..288		

Seq. No.	30811	Seq. ID	OJ990619_48.9A20.C8
Gene No.	63735	Strand	+
Start	387	End	1082
Name	OJ990619_48.9A20.C8.o1.gs	Method	GENSCAN
Start	387	End	1082
GI	none	Score	.52
Exons	387..491, 936..1082		

Seq. No.	30812	Seq. ID	OJ990619_48.9A20.C9
Gene No.	63736	Strand	+
Start	473	End	812
Name	OJ990619_48.9A20.C9.o1.np	Method	AAT/NAP
Start	473	End	812
GI	2498930	Score	185
Exons	473..536, 704..812		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	30812	Seq. ID	OJ990619_48.9A20.C9
Gene No.	63736	Strand	+
Start	473	End	812
Name	OJ990619_48.9A20.C9.o1.gs	Method	GENSCAN
Start	477	End	536
GI	none	Score	.95
Exons	477..536		

Seq. No.	30813	Seq. ID	OJ990619_42.9A26.C1
Gene No.	63737	Strand	+
Start	1	End	1537
Name	OJ990619_42.9A26.C1.o1.np	Method	AAT/NAP
Start	1	End	1013
GI	6685070	Score	224
Exons	1..154, 374..479, 758..830, 889..1013		
GI Descrip.	(AF205859) FtsZ protein [Gentiana lutea]		

Seq. No.	30813	Seq. ID	OJ990619_42.9A26.C1
Gene No.	63737	Strand	+
Start	1	End	1537
Name	OJ990619_42.9A26.C1.o1.gs	Method	GENSCAN
Start	387	End	1537
GI	none	Score	.86
Exons	387..479, 758..823, 1460..1537		

Seq. No.	30813	Seq. ID	OJ990619_42.9A26.C1
Gene No.	63737	Strand	+
Start	1	End	1537
Name	OJ990619_42.9A26.C1.o1.gp	Method	AAT/GAP
Start	436	End	1236

GI	39700_1.R1084	Score	806
Exons	436..479, 758..823, 900..1236		
GI Descrip.	'3608495 4.0e-15 (AF089738) plastid division protein FtsZ [Arabidopsis thaliana] >gi_4510351_gb_AAD21440.1_ (AC006921) plastid division protein FtsZ [Arabidopsis thaliana]'		

Seq. No.	30813	Seq. ID	OJ990619_42.9A26.C1
Gene No.	63738	Strand	-
Start	1694	End	3245
Name	OJ990619_42.9A26.C1.o2.np	Method	AAT/NAP
Start	1694	End	3245
GI	3413424	Score	421
Exons	1694..1726, 2469..3245		
GI Descrip.	(AJ006309) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30813	Seq. ID	OJ990619_42.9A26.C1
Gene No.	63738	Strand	-
Start	1694	End	3245
Name	OJ990619_42.9A26.C1.o2.gs	Method	GENSCAN
Start	2406	End	3242
GI	none	Score	.99
Exons	2406..3242		

Seq. No.	30813	Seq. ID	OJ990619_42.9A26.C1
Gene No.	63738	Strand	-
Start	1694	End	3245
Name	OJ990619_42.9A26.C1.o1.ts	Method	TBLASTX:Soybean
Start	2913	End	3188
GI	none	Score	60
Exons	2913..3188, 3013..3117, 3021..3188		

Seq. No.	30813	Seq. ID	OJ990619_42.9A26.C1
Gene No.	63738	Strand	-
Start	1694	End	3245
Name	OJ990619_42.9A26.C1.o1.tm	Method	TBLASTX:Maize
Start	3009	End	3201
GI	none	Score	73
Exons	3009..3200, 3016..3201		

Seq. No.	30814	Seq. ID	OJ990619_42.9A26.C6
Gene No.	63739	Strand	+
Start	1	End	586
Name	OJ990619_42.9A26.C6.o1.np	Method	AAT/NAP
Start	1	End	586
GI	6721562	Score	669
Exons	1..586		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	30814	Seq. ID	OJ990619_42.9A26.C6
Gene No.	63740	Strand	-
Start	125	End	541
Name	OJ990619_42.9A26.C6.o1.gs	Method	GENSCAN
Start	125	End	541

GI	none	Score	.66
Exons	125..541		

Seq. No.	30814	Seq. ID	OJ990619_42.9A26.C6
Gene No.	63740	Strand	-
Start	125	End	541
Name	OJ990619_42.9A26.C6.o1.tw	Method	TBLASTX:Wheat
Start	185	End	490
GI	none	Score	73
Exons	185..250, 193..249, 217..456,	218..490	

Seq. No.	30815	Seq. ID	OJ990619_42.9A26.C7
Gene No.	63741	Strand	-
Start	193	End	480
Name	OJ990619_42.9A26.C7.o1.gs	Method	GENSCAN
Start	193	End	480
GI	none	Score	.77
Exons	193..354, 436..480		

Seq. No.	30816	Seq. ID	OJ990619_42.9A26.C9
Gene No.	63742	Strand	+
Start	1	End	507
Name	OJ990619_42.9A26.C9.o1.np	Method	AAT/NAP
Start	1	End	507
GI	6751696	Score	102
Exons	1..507		
GI Descrip.	(AC018908) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30817	Seq. ID	OJ990619_42.9A26.C11
Gene No.	63743	Strand	+
Start	2053	End	4898
Name	OJ990619_42.9A26.C11.o1.gp	Method	AAT/GAP
Start	2053	End	3172
GI	29744_1.R1084	Score	1320
Exons	2053..2216, 2659..3172		
GI Descrip.	'4678935/emb|CAB41326.1| 9.0e-16 (AL049711) putative protein [Arabidopsis thaliana]'		

Seq. No.	30817	Seq. ID	OJ990619_42.9A26.C11
Gene No.	63743	Strand	+
Start	2053	End	4898
Name	OJ990619_42.9A26.C11.o1.np	Method	AAT/NAP
Start	2790	End	3878
GI	4678935	Score	943
Exons	2790..3878		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	30817	Seq. ID	OJ990619_42.9A26.C11
Gene No.	63743	Strand	+
Start	2053	End	4898
Name	OJ990619_42.9A26.C11.o2.gp	Method	AAT/GAP
Start	3603	End	4898
GI	30722_1.R1084	Score	1436
Exons	3603..3937, 4492..4898		
GI Descrip.	'4678935/emb|CAB41326.1| 5.0e-32 (AL049711) putative protein [Arabidopsis thaliana]'		

Seq. No.	30817	Seq. ID	OJ990619_42.9A26.C11
Gene No.	63744	Strand	+
Start	9824	End	10270
Name	OJ990619_42.9A26.C11.o2.np	Method	AAT/NAP
Start	8479	End	10144
GI	5306242	Score	156
Exons	8479..8546, 8659..8721, 9855..10144		
GI Descrip.	(AC006438) unknown protein [Arabidopsis thaliana]		

Seq. No.	30817	Seq. ID	OJ990619_42.9A26.C11
Gene No.	63744	Strand	+
Start	9824	End	10270
Name	OJ990619_42.9A26.C11.o2.gs	Method	GENSCAN
Start	9824	End	10270
GI	none	Score	.96
Exons	9824..10270		

Seq. No.	30817	Seq. ID	OJ990619_42.9A26.C11
Gene No.	63745	Strand	-
Start	2757	End	5610
Name	OJ990619_42.9A26.C11.o1.gs	Method	GENSCAN
Start	2757	End	5610
GI	none	Score	.94
Exons	2757..3566, 3636..3741, 5540..5610		

Seq. No.	30817	Seq. ID	OJ990619_42.9A26.C11
Gene No.	63745	Strand	-
Start	2757	End	5610
Name	OJ990619_42.9A26.C11.o1.tc	Method	TBLASTX:Cress
Start	3035	End	3596
GI	none	Score	181
Exons	3035..3160, 3036..3170, 3201..3377, 3399..3596, 3402..3575, 3446..3595		

Seq. No.	30817	Seq. ID	OJ990619_42.9A26.C11
Gene No.	63745	Strand	-
Start	2757	End	5610
Name	OJ990619_42.9A26.C11.o2.ts	Method	TBLASTX:Soybean
Start	3122	End	3368
GI	none	Score	256
Exons	3122..3220, 3123..3368, 3302..3337		

Seq. No.	30817	Seq. ID	OJ990619_42.9A26.C11
Gene No.	63745	Strand	-
Start	2757	End	5610
Name	OJ990619_42.9A26.C11.o1.tm	Method	TBLASTX:Maize
Start	3234	End	3935
GI	none	Score	277
Exons	3234..3425, 3293..3406, 3367..3432, 3420..3896, 3443..3883, 3518..3904, 3909..3935, 3909..3935		

Seq. No.	30817	Seq. ID	OJ990619_42.9A26.C11
Gene No.	63745	Strand	-
Start	2757	End	5610
Name	OJ990619_42.9A26.C11.o1.ts	Method	TBLASTX:Soybean
Start	3444	End	3782
GI	none	Score	178

Exons	3444..3593, 3455..3589, 3602..3781, 3603..3782		
Seq. No.	30817	Seq. ID	OJ990619_42.9A26.C11
Gene No.	63745	Strand	-
Start	2757	End	5610
Name	OJ990619_42.9A26.C11.o2.tc	Method	TBLASTX:Cress
Start	3639	End	3881
GI	none	Score	279
Exons	3639..3881, 3639..3869		
Seq. No.	30817	Seq. ID	OJ990619_42.9A26.C11
Gene No.	63746	Strand	
Start	9908	End	10144
Name	OJ990619_42.9A26.C11.o2.tm	Method	TBLASTX:Maize
Start	9908	End	10144
GI	none	Score	146
Exons	9908..9955, 9911..10021, 9916..10128, 10007..10144, 10015..10143		
Seq. No.	30817	Seq. ID	OJ990619_42.9A26.C11
Gene No.	63746	Strand	
Start	9908	End	10144
Name	OJ990619_42.9A26.C11.o3.ts	Method	TBLASTX:Soybean
Start	9911	End	10132
GI	none	Score	119
Exons	9911..10009, 9922..9990, 10004..10066, 10061..10132, 10078..10122		
Seq. No.	30818	Seq. ID	OJ990619_42.9A26.C12
Gene No.	63747	Strand	+
Start	904	End	1717
Name	OJ990619_42.9A26.C12.o1.tm	Method	TBLASTX:Maize
Start	865	End	1420
GI	none	Score	159
Exons	865..1014, 903..1013, 910..1014, 1108..1419, 1109..1420		
Seq. No.	30818	Seq. ID	OJ990619_42.9A26.C12
Gene No.	63747	Strand	+
Start	904	End	1717
Name	OJ990619_42.9A26.C12.o1.gs	Method	GENSCAN
Start	904	End	1417
GI	none	Score	.68
Exons	904..1011, 1109..1417		
Seq. No.	30818	Seq. ID	OJ990619_42.9A26.C12
Gene No.	63747	Strand	+
Start	904	End	1717
Name	OJ990619_42.9A26.C12.o1.ts	Method	TBLASTX:Soybean
Start	904	End	1417
GI	none	Score	132
Exons	904..1014, 915..1013, 1093..1248, 1109..1249, 1246..1416, 1247..1417		
Seq. No.	30818	Seq. ID	OJ990619_42.9A26.C12
Gene No.	63747	Strand	+
Start	904	End	1717
Name	OJ990619_42.9A26.C12.o1.np	Method	AAT/NAP
Start	922	End	1414

GI	6671936	Score	422
Exons	922..993, 1109..1414		
GI Descrip.	(AC016795) unknown protein [Arabidopsis thaliana]		

Seq. No.	30818	Seq. ID	OJ990619_42.9A26.C12
Gene No.	63747	Strand	+
Start	904	End	1717
Name	OJ990619_42.9A26.C12.o1.gp	Method	AAT/GAP
Start	1107	End	1717
GI	5038997	Score	1198
Exons	1107..1717		
GI Descrip.	5306242/gb|AAD41975.1|AC006438_7 4.0e-24 (AC006438) unknown protein [Arabidopsis thaliana]		

Seq. No.	30818	Seq. ID	OJ990619_42.9A26.C12
Gene No.	63747	Strand	+
Start	904	End	1717
Name	OJ990619_42.9A26.C12.o1.tc	Method	TBLASTX:Cress
Start	1108	End	1438
GI	none	Score	74
Exons	1108..1248, 1109..1249, 1181..1417, 1246..1413, 1256..1438		

Seq. No.	30819	Seq. ID	OJ990619_42.9A26.C13
Gene No.	63748	Strand	+
Start	87	End	746
Name	OJ990619_42.9A26.C13.o1.gs	Method	GENSCAN
Start	87	End	746
GI	none	Score	.72
Exons	87..157, 598..746		

Seq. No.	30820	Seq. ID	OJ990619_42.9A26.C14
Gene No.	63749	Strand	+
Start	2942	End	3052
Name	OJ990619_42.9A26.C14.o1.gp	Method	AAT/GAP
Start	2942	End	3052
GI	uC-osf1cyp088b12b1	Score	152
Exons	2942..3052		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	30820	Seq. ID	OJ990619_42.9A26.C14
Gene No.	63750	Strand	+
Start	4645	End	5786
Name	OJ990619_42.9A26.C14.o2.np	Method	AAT/NAP
Start	4645	End	5786
GI	2131055	Score	173
Exons	4645..5024, 5171..5540, 5576..5786		
GI Descrip.	(Z95844) PE_PGRS [Mycobacterium tuberculosis]		

Seq. No.	30820	Seq. ID	OJ990619_42.9A26.C14
Gene No.	63751	Strand	-
Start	3015	End	5593
Name	OJ990619_42.9A26.C14.o1.np	Method	AAT/NAP
Start	1582	End	3643
GI	6721561	Score	122
Exons	1582..1601, 3553..3643		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	30820	Seq. ID	OJ990619_42.9A26.C14
Gene No.	63751	Strand	-
Start	3015	End	5593
Name	OJ990619_42.9A26.C14.o1.gs	Method	GENSCAN
Start	3015	End	5593
GI	none	Score	.53
Exons	3015..3074, 3541..3591, 4564..4781, 4833..4973, 5067..5200, 5310..5593		

Seq. No.	30821	Seq. ID	OJ990619_42.9A26.C15
Gene No.	63752	Strand	+
Start	1570	End	1701
Name	OJ990619_42.9A26.C15.o1.gs	Method	GENSCAN
Start	1570	End	1701
GI	none	Score	.76
Exons	1570..1701		

Seq. No.	30822	Seq. ID	OJ990619_42.9A26.C16
Gene No.	63753	Strand	+
Start	2361	End	9983
Name	OJ990619_42.9A26.C16.o1.np	Method	AAT/NAP
Start	2361	End	9917
GI	5903072	Score	198
Exons	2361..2438, 8691..8828, 9540..9917		
GI Descrip.	(AC008017) Transcription Factor [Arabidopsis thaliana]		

Seq. No.	30822	Seq. ID	OJ990619_42.9A26.C16
Gene No.	63753	Strand	+
Start	2361	End	9983
Name	OJ990619_42.9A26.C16.o1.gp	Method	AAT/GAP
Start	5125	End	6040
GI	none	Score	870
Exons	5125..5308, 5766..6040		

Seq. No.	30822	Seq. ID	OJ990619_42.9A26.C16
Gene No.	63753	Strand	+
Start	2361	End	9983
Name	OJ990619_42.9A26.C16.o2.gs	Method	GENSCAN
Start	5367	End	9983
GI	none	Score	.54
Exons	5367..5417, 5892..6002, 6019..6208, 8008..8048, 8218..8286, 8685..8828, 9510..9983		

Seq. No.	30822	Seq. ID	OJ990619_42.9A26.C16
Gene No.	63754	Strand	-
Start	2188	End	4973
Name	OJ990619_42.9A26.C16.o1.gs	Method	GENSCAN
Start	2188	End	4973
GI	none	Score	.61
Exons	2188..2316, 4161..4307, 4503..4596, 4601..4655, 4826..4973		

Seq. No.	30822	Seq. ID	OJ990619_42.9A26.C16

Gene No.	63755	Strand	-
Start	10089	End	10337
Name	OJ990619_42.9A26.C16.o3.gp	Method	AAT/GAP
Start	10089	End	10337
GI	3106856	Score	454
Exons	10089..10337		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63756	Strand	+
Start	46	End	3635
Name	OJ990619_42.9A26.C17.o1.gs	Method	GENSCAN
Start	46	End	3626
GI	none	Score	.65
Exons	46..447, 540..699, 788..874, 1227..1320, 1638..1694, 2326..2405, 2504..3626		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63756	Strand	+
Start	46	End	3635
Name	OJ990619_42.9A26.C17.o1.np	Method	AAT/NAP
Start	1258	End	3635
GI	5257286	Score	1592
Exons	1258..1320, 1638..1694, 2326..2405, 2504..3635		
GI Descrip.	(AF124737) unknown [Zea mays]		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63757	Strand	+
Start	7468	End	24448
Name	OJ990619_42.9A26.C17.o3.gs	Method	GENSCAN
Start	7468	End	24063
GI	none	Score	.58
Exons	7468..7536, 7801..7860, 8687..8756, 9649..10373, 10449..10747, 11564..11824, 12552..12834, 15231..15296, 15677..16316, 17223..17283, 17447..17525, 17702..17781, 17861..17955, 18062..18161, 18502..18571, 19635..19716, 20226..20405, 20714..20987, 21102..21342, 21514..21684, 21849..22087, 22575..22659, 22754..22852, 23393..23489, 23608..23747, 24014..24063		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63757	Strand	+
Start	7468	End	24448
Name	OJ990619_42.9A26.C17.o2.np	Method	AAT/NAP
Start	9442	End	13400
GI	4680199	Score	617
Exons	9442..9466, 10269..10674, 10753..11085, 11325..11977, 12323..12874, 12966..13084, 13243..13400		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63757	Strand	+
Start	7468	End	24448
Name	OJ990619_42.9A26.C17.o3.np	Method	AAT/NAP
Start	12144	End	23925
GI	6664307	Score	3527
Exons	12144..12210, 15645..15812, 16089..16368, 17223..17283, 17447..17525, 17702..17781, 17861..17955, 18137..18161,		

	18502..18571, 19449..19550, 19635..19716, 20226..20405, 20714..21018, 21096..21403, 21511..21684, 21849..22087, 22575..22852, 22937..23157, 23227..23308, 23384..23528, 23608..23747, 23842..23925
GI Descrip.	(AC006932) T27G7.10 [Arabidopsis thaliana]

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63757	Strand	+
Start	7468	End	24448
Name	OJ990619_42.9A26.C17.o1.gp	Method	AAT/GAP
Start	16084	End	16294
GI	uC-osrocyp016a10a1	Score	410
Exons	16084..16294		
GI Descrip.	'4646217/gb|AAD26883.1|AC007290_2 3.0e-24 (AC007290) putative phosphoprotein phosphatase [Arabidopsis thaliana]'		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63757	Strand	+
Start	7468	End	24448
Name	OJ990619_42.9A26.C17.o2.gp	Method	AAT/GAP
Start	20891	End	21638
GI	none	Score	861
Exons	20891..20987, 21102..21342, 21514..21638		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63757	Strand	+
Start	7468	End	24448
Name	OJ990619_42.9A26.C17.o3.gp	Method	AAT/GAP
Start	21849	End	22972
GI	uC-osrocyp016a04b1	Score	804
Exons	21849..22087, 22575..22659, 22754..22852, 22937..22972		
GI Descrip.	'4646217/gb|AAD26883.1|AC007290_2 1.0e-72 (AC007290) putative phosphoprotein phosphatase [Arabidopsis thaliana]'		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63757	Strand	+
Start	7468	End	24448
Name	OJ990619_42.9A26.C17.o4.gp	Method	AAT/GAP
Start	23943	End	24448
GI	none	Score	978
Exons	23943..24448		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63758	Strand	-
Start	4879	End	5469
Name	OJ990619_42.9A26.C17.o4.tm	Method	TBLASTX:Maize
Start	665	End	2780
GI	none	Score	51
Exons	665..700, 786..878, 786..878, 788..883, 1224..1316, 1224..1280, 1225..1323, 1225..1320, 1637..1693, 1638..1712, 2328..2405, 2329..2406, 2495..2779, 2496..2780		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63758	Strand	-
Start	4879	End	5469
Name	OJ990619_42.9A26.C17.o1.ts	Method	TBLASTX:Soybean
Start	2350	End	3251

GI	none	Score	79
Exons	2350..2406, 2352..2408, 2501..2596, 2502..2603, 2636..2701, 2637..2711, 2755..2901, 2763..2921, 2778..2900, 2819..2971, 2877..3251, 2919..3083, 2921..3250		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63758	Strand	-
Start	4879	End	5469
Name	OJ990619_42.9A26.C17.o2.tc	Method	TBLASTX:Cress
Start	2621	End	3017
GI	none	Score	69
Exons	2621..2701, 2625..2744, 2742..2963, 2775..2954, 2788..2967, 2819..2971, 2963..2995, 2964..3017		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63758	Strand	-
Start	4879	End	5469
Name	OJ990619_42.9A26.C17.o2.tm	Method	TBLASTX:Maize
Start	2901	End	3278
GI	none	Score	607
Exons	2901..3278, 2906..3262		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63758	Strand	-
Start	4879	End	5469
Name	OJ990619_42.9A26.C17.o3.tc	Method	TBLASTX:Cress
Start	3048	End	3278
GI	none	Score	285
Exons	3048..3278, 3053..3259		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63758	Strand	-
Start	4879	End	5469
Name	OJ990619_42.9A26.C17.o8.tm	Method	TBLASTX:Maize
Start	3424	End	3614
GI	none	Score	58
Exons	3424..3489, 3424..3462, 3470..3595, 3470..3613, 3513..3614		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63758	Strand	-
Start	4879	End	5469
Name	OJ990619_42.9A26.C17.o2.gs	Method	GENSCAN
Start	4879	End	5469
GI	none	Score	.98
Exons	4879..5469		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63758	Strand	-
Start	4879	End	5469
Name	OJ990619_42.9A26.C17.o7.ts	Method	TBLASTX:Soybean
Start	5071	End	5248
GI	none	Score	40
Exons	5071..5247, 5075..5131, 5201..5248		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63759	Strand	
Start	12511	End	13039

Name	OJ990619_42.9A26.C17.o1.tw	Method	TBLASTX:Wheat
Start	12511	End	12876
GI	none	Score	78
Exons	12511..12594, 12628..12876, 12630..12824		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63759	Strand	
Start	12511	End	13039
Name	OJ990619_42.9A26.C17.o7.tm	Method	TBLASTX:Maize
Start	12576	End	12994
GI	none	Score	233
Exons	12576..12833, 12610..12837, 12965..12994		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63759	Strand	
Start	12511	End	13039
Name	OJ990619_42.9A26.C17.o8.ts	Method	TBLASTX:Soybean
Start	12616	End	13039
GI	none	Score	196
Exons	12616..12876, 12965..13039		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63760	Strand	
Start	12995	End	13249
Name	OJ990619_42.9A26.C17.o5.tm	Method	TBLASTX:Maize
Start	12995	End	13249
GI	none	Score	283
Exons	12995..13249, 13000..13248		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63761	Strand	
Start	16123	End	16249
Name	OJ990619_42.9A26.C17.o11.ts	Method	TBLASTX:Soybean
Start	16123	End	16249
GI	none	Score	200
Exons	16123..16245, 16124..16249		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63762	Strand	
Start	17720	End	18129
Name	OJ990619_42.9A26.C17.o9.ts	Method	TBLASTX:Soybean
Start	17720	End	18129
GI	none	Score	63
Exons	17720..17782, 17859..17978, 18061..18129		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63763	Strand	
Start	18509	End	20386
Name	OJ990619_42.9A26.C17.o6.tm	Method	TBLASTX:Maize
Start	18509	End	20386
GI	none	Score	100
Exons	18509..18571, 18511..18561, 18515..18574, 19444..19506, 19448..19513, 19449..19514, 19491..19550, 19495..19590, 19505..19552, 19628..19708, 19634..19714, 19635..19715, 19635..19715, 20216..20386, 20224..20382, 20231..20386		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17

Gene No.	63763	Strand	
Start	18509	End	20386
Name	OJ990619_42.9A26.C17.o12.ts	Method	TBLASTX:Soybean
Start	19526	End	20338
GI	none	Score	48
Exons	19526..19552, 19527..19553, 19634..19714, 19635..19715, 19638..19715, 20216..20338, 20224..20298		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63764	Strand	
Start	20350	End	23946
Name	OJ990619_42.9A26.C17.o10.ts	Method	TBLASTX:Soybean
Start	20350	End	20988
GI	none	Score	91
Exons	20350..20406, 20351..20407, 20767..20802, 20809..20988, 20814..20987		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63764	Strand	
Start	20350	End	23946
Name	OJ990619_42.9A26.C17.o3.tm	Method	TBLASTX:Maize
Start	20827	End	21345
GI	none	Score	48
Exons	20827..20856, 20851..20997, 20853..20993, 21099..21344, 21100..21345		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63764	Strand	
Start	20350	End	23946
Name	OJ990619_42.9A26.C17.o5.tc	Method	TBLASTX:Cress
Start	20854	End	21213
GI	none	Score	156
Exons	20854..20988, 20877..20981, 21100..21213, 21102..21212		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63764	Strand	
Start	20350	End	23946
Name	OJ990619_42.9A26.C17.o5.ts	Method	TBLASTX:Soybean
Start	21103	End	21709
GI	none	Score	119
Exons	21103..21312, 21108..21212, 21214..21345, 21303..21344, 21513..21686, 21514..21687, 21524..21709		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63764	Strand	
Start	20350	End	23946
Name	OJ990619_42.9A26.C17.o4.tc	Method	TBLASTX:Cress
Start	21268	End	21946
GI	none	Score	47
Exons	21268..21312, 21301..21345, 21513..21686, 21514..21687, 21524..21703, 21845..21946, 21846..21944		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63764	Strand	
Start	20350	End	23946
Name	OJ990619_42.9A26.C17.o1.tm	Method	TBLASTX:Maize
Start	21524	End	23946

GI	none	Score	155
Exons	21524..21685, 21528..21686, 21528..21686, 21529..21687, 21842..22087, 21846..22088, 21848..22090, 22573..22641, 22575..22664, 22605..22661, 22751..22852, 22753..22854, 22753..22851, 22928..23137, 22936..23136, 23210..23302, 23227..23301, 23378..23530, 23392..23532, 23393..23539, 23606..23749, 23607..23747, 23632..23748, 23663..23749, 23805..23939, 23835..23939, 23836..23946, 23836..23940		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63764	Strand	
Start	20350	End	23946
Name	OJ990619_42.9A26.C17.o3.ts	Method	TBLASTX:Soybean
Start	21828	End	22090
GI	none	Score	408
Exons	21828..22088, 21845..22090, 21866..22090		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63764	Strand	
Start	20350	End	23946
Name	OJ990619_42.9A26.C17.o2.tw	Method	TBLASTX:Wheat
Start	22011	End	23095
GI	none	Score	67
Exons	22011..22076, 22582..22638, 22584..22652, 22748..22849, 22751..22840, 22943..23095, 22952..23035, 22984..23040		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63764	Strand	
Start	20350	End	23946
Name	OJ990619_42.9A26.C17.o6.ts	Method	TBLASTX:Soybean
Start	22572	End	22854
GI	none	Score	116
Exons	22572..22652, 22573..22641, 22751..22852, 22756..22851, 22759..22854		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63764	Strand	
Start	20350	End	23946
Name	OJ990619_42.9A26.C17.o4.ts	Method	TBLASTX:Soybean
Start	22944	End	23153
GI	none	Score	251
Exons	22944..23078, 22945..23079, 22946..23083, 23084..23137, 23084..23143, 23091..23153		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63764	Strand	
Start	20350	End	23946
Name	OJ990619_42.9A26.C17.o1.tc	Method	TBLASTX:Cress
Start	23020	End	23689
GI	none	Score	201
Exons	23020..23136, 23021..23137, 23210..23302, 23227..23301, 23378..23530, 23392..23532, 23392..23532, 23606..23686, 23607..23687, 23609..23689		

Seq. No.	30823	Seq. ID	OJ990619_42.9A26.C17
Gene No.	63764	Strand	
Start	20350	End	23946

Name	OJ990619_42.9A26.C17.o2.ts	Method	TBLASTX:Soybean
Start	23225	End	23930
GI	none	Score	138
Exons	23225..23302, 23227..23301, 23378..23530, 23392..23532, 23392..23532, 23393..23539, 23606..23749, 23607..23747, 23608..23748, 23609..23749, 23835..23873, 23836..23892, 23840..23917, 23841..23891, 23899..23928, 23901..23927, 23910..23930		

Seq. No.	30824	Seq. ID	OJ990619_42.9A26.C18
Gene No.	63765	Strand	+
Start	126	End	270
Name	OJ990619_42.9A26.C18.o1.gs	Method	GENSCAN
Start	126	End	270
GI	none	Score	.95
Exons	126..270		

Seq. No.	30824	Seq. ID	OJ990619_42.9A26.C18
Gene No.	63766	Strand	-
Start	494	End	8726
Name	OJ990619_42.9A26.C18.o1.gp	Method	AAT/GAP
Start	494	End	1259
GI	14178_1.R1084	Score	1258
Exons	494..1030, 1144..1259		
GI Descrip.	'2129929/pir||S65068 5.0e-35 DNA-directed RNA polymerase (EC 2.7.7.6) II chain RPB2 - tomato >gi_1049068 (U28403) RNA polymerase II subunit 2 [Solanum lycopersicum]'		

Seq. No.	30824	Seq. ID	OJ990619_42.9A26.C18
Gene No.	63766	Strand	-
Start	494	End	8726
Name	OJ990619_42.9A26.C18.o1.ts	Method	TBLASTX:Soybean
Start	882	End	2893
GI	none	Score	119
Exons	882..1031, 911..1033, 923..1033, 1125..1538, 1133..1564, 1135..1566, 1144..1566, 1364..1567, 1728..1793, 1738..2040, 1742..2050, 1887..2060, 2136..2285, 2138..2284, 2351..2416, 2354..2416, 2490..2567, 2490..2567, 2491..2571, 2629..2754, 2630..2761, 2642..2761, 2861..2893		

Seq. No.	30824	Seq. ID	OJ990619_42.9A26.C18
Gene No.	63766	Strand	-
Start	494	End	8726
Name	OJ990619_42.9A26.C18.o2.tm	Method	TBLASTX:Maize
Start	910	End	1489
GI	none	Score	107
Exons	910..1023, 917..1033, 918..1031, 1125..1475, 1135..1476, 1135..1488, 1142..1489		

Seq. No.	30824	Seq. ID	OJ990619_42.9A26.C18
Gene No.	63766	Strand	-
Start	494	End	8726
Name	OJ990619_42.9A26.C18.o1.tc	Method	TBLASTX:Cress
Start	911	End	8567
GI	none	Score	62
Exons	911..1033, 926..1033, 1135..1566, 1141..1566, 1218..1568, 1738..2040, 1742..2050, 1751..2053, 2138..2284, 2139..2285,		

2139..2288, 2354..2425, 2490..2567, 2491..2568, 2630..2761,
2639..2752, 2677..2760, 2861..2956, 2862..2957, 2868..2957,
2869..2958, 3008..3124, 3012..3125, 3031..3135, 3032..3136,
3185..3310, 3190..3285, 3195..3311, 3468..3563, 3522..3569,
3650..3736, 3666..3821, 3667..3822, 3667..3825, 3794..3841,
4119..4241, 4120..4239, 4125..4241, 4355..4480, 4356..4466,
4357..4467, 4547..4615, 4548..4625, 4548..4625, 4698..4775,
4701..4778, 4877..5029, 4881..5027, 4885..5028, 5102..5146,
5102..5146, 5103..5147, 5217..5357, 5234..5359, 5238..5360,
5456..5560, 5457..5558, 5469..5561, 5637..5705, 5638..5706,
5674..5703, 5824..6030, 5831..6031, 5960..6040, 6228..6530,
6238..6528, 6563..6820, 6588..6812, 6596..6829, 6597..6821,
6751..6822, 8379..8567, 8380..8547

Seq. No.	30824	Seq. ID	OJ990619_42.9A26.C18
Gene No.	63766	Strand	-
Start	494	End	8726
Name	OJ990619_42.9A26.C18.o1.np	Method	AAT/NAP
Start	914	End	8624
GI	2129929	Score	5016
Exons	914..1030, 1144..1566, 1750..2049, 2141..2284, 2363..2416, 2496..2565, 2639..2754, 2861..2956, 3032..3109, 3185..3310, 3465..3566, 3667..3822, 4122..4238, 4357..4464, 4547..4623, 4703..4775, 4888..5025, 5102..5146, 5238..5358, 5472..5558, 5641..5705, 5833..6030, 6237..6527, 6599..6820, 8379..8624		
GI Descrip.	DNA-directed RNA polymerase (EC 2.7.7.6) II chain RPB2 - tomato gi|1049068 (U28403) RNA polymerase II subunit 2 [Solanum lycopersicum]		

Seq. No.	30824	Seq. ID	OJ990619_42.9A26.C18
Gene No.	63766	Strand	-
Start	494	End	8726
Name	OJ990619_42.9A26.C18.o2.gs	Method	GENSCAN
Start	917	End	8726
GI	none	Score	.88
Exons	917..1030, 1144..1566, 1750..2049, 2141..2284, 2363..2416, 2496..2565, 2639..2754, 2861..2956, 3032..3109, 3185..3310, 3465..3566, 3667..3822, 4122..4238, 4357..4464, 4547..4623, 4703..4775, 4888..5025, 5223..5358, 5472..5558, 5641..5705, 5833..6030, 6237..6527, 6599..6820, 8379..8726		

Seq. No.	30824	Seq. ID	OJ990619_42.9A26.C18
Gene No.	63766	Strand	-
Start	494	End	8726
Name	OJ990619_42.9A26.C18.o1.tm	Method	TBLASTX:Maize
Start	1756	End	2540
GI	none	Score	404
Exons	1756..2052, 1756..2040, 1760..2053, 2136..2285, 2138..2284, 2354..2416, 2364..2417, 2366..2416, 2468..2536, 2485..2535, 2490..2540		

Seq. No.	30824	Seq. ID	OJ990619_42.9A26.C18
Gene No.	63766	Strand	-
Start	494	End	8726
Name	OJ990619_42.9A26.C18.o1.tw	Method	TBLASTX:Wheat
Start	1804	End	2013
GI	none	Score	116

Exons	1804..2013, 1844..2011		
Seq. No.	30824	Seq. ID	OJ990619_42.9A26.C18
Gene No.	63766	Strand	-
Start	494	End	8726
Name	OJ990619_42.9A26.C18.o2.ts	Method	TBLASTX:Soybean
Start	2915	End	3308
GI	none	Score	53
Exons	2915..2956, 2919..2957, 2920..2958, 3008..3124, 3012..3110, 3031..3126, 3031..3150, 3032..3136, 3185..3307, 3189..3308		
Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19
Gene No.	63767	Strand	+
Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o4.ts	Method	TBLASTX:Soybean
Start	4091	End	6111
GI	none	Score	84
Exons	4091..4213, 4277..4609, 4700..4837, 4919..4966, 5100..5219, 5859..5921, 5971..6036, 6061..6111		
Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19
Gene No.	63767	Strand	+
Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o7.tw	Method	TBLASTX:Wheat
Start	4124	End	4513
GI	none	Score	89
Exons	4124..4258, 4130..4213, 4271..4513, 4285..4374		
Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19
Gene No.	63767	Strand	+
Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o2.gs	Method	GENSCAN
Start	5139	End	11770
GI	none	Score	.45
Exons	5139..5281, 5441..5723, 5944..6090, 6526..8416, 10698..10834, 11084..11770		
Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19
Gene No.	63767	Strand	+
Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o6.tm	Method	TBLASTX:Maize
Start	5829	End	6189
GI	none	Score	105
Exons	5829..5921, 5831..5923, 5950..6189, 5958..6026, 6054..6182		
Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19
Gene No.	63767	Strand	+
Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o3.tw	Method	TBLASTX:Wheat
Start	5965	End	6282
GI	none	Score	236
Exons	5965..6282, 5979..6200		
Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19
Gene No.	63767	Strand	+
Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o1.np	Method	AAT/NAP

Start	6001	End	9108
GI	4416302	Score	3430
Exons	6001..9108		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19
Gene No.	63767	Strand	+
Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o4.tm	Method	TBLASTX:Maize
Start	6192	End	6584
GI	none	Score	92
Exons	6192..6323, 6193..6321, 6309..6533, 6311..6517, 6312..6584, 6316..6582		

Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19
Gene No.	63767	Strand	+
Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o1.tw	Method	TBLASTX:Wheat
Start	6354	End	6918
GI	none	Score	256
Exons	6354..6584, 6355..6600, 6364..6609, 6640..6918, 6640..6918		

Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19
Gene No.	63767	Strand	+
Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o2.tm	Method	TBLASTX:Maize
Start	6589	End	7449
GI	none	Score	109
Exons	6589..6660, 6615..6662, 6660..7238, 6661..7278, 7291..7449, 7339..7377		

Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19
Gene No.	63767	Strand	+
Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o3.ts	Method	TBLASTX:Soybean
Start	6769	End	7230
GI	none	Score	339
Exons	6769..7230, 6798..6977, 7026..7178		

Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19
Gene No.	63767	Strand	+
Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o2.tc	Method	TBLASTX:Cress
Start	6811	End	7227
GI	none	Score	204
Exons	6811..7227		

Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19
Gene No.	63767	Strand	+
Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o5.tw	Method	TBLASTX:Wheat
Start	7012	End	7353
GI	none	Score	100
Exons	7012..7089, 7096..7242, 7125..7238, 7264..7353		

Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19
Gene No.	63767	Strand	+

Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o5.tm	Method	TBLASTX:Maize
Start	7450	End	7737
GI	none	Score	291
Exons	7450..7698, 7470..7733, 7687..7737, 7689..7736		

Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19
Gene No.	63767	Strand	+
Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o1.ts	Method	TBLASTX:Soybean
Start	7465	End	8078
GI	5509260	Score	716
Exons	7465..8073, 7560..8078, 7815..8078		
GI Descrip.	-		

Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19
Gene No.	63767	Strand	+
Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o2.tw	Method	TBLASTX:Wheat
Start	7594	End	8070
GI	none	Score	84
Exons	7594..7683, 7690..7716, 7707..8060, 7717..8064, 7723..7851, 7725..8063, 7894..8070		

Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19
Gene No.	63767	Strand	+
Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o3.tc	Method	TBLASTX:Cress
Start	7686	End	7959
GI	none	Score	192
Exons	7686..7826, 7687..7959, 7732..7833		

Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19
Gene No.	63767	Strand	+
Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o3.tm	Method	TBLASTX:Maize
Start	7738	End	8205
GI	none	Score	578
Exons	7738..8205, 7738..7857, 7740..8204		

Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19
Gene No.	63767	Strand	+
Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o7.tm	Method	TBLASTX:Maize
Start	8247	End	8439
GI	none	Score	243
Exons	8247..8438, 8248..8439		

Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19
Gene No.	63767	Strand	+
Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o4.tw	Method	TBLASTX:Wheat
Start	8254	End	8685
GI	none	Score	107
Exons	8254..8415, 8428..8685		

Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19

Gene No.	63767	Strand	+
Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o1.tm	Method	TBLASTX:Maize
Start	8440	End	9168
GI	none	Score	901
Exons	8440..9168, 8442..9116, 9005..9127		

Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19
Gene No.	63767	Strand	+
Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o2.ts	Method	TBLASTX:Soybean
Start	8449	End	9132
GI	none	Score	296
Exons	8449..8832, 8454..8825, 8461..8832, 8866..9132, 8874..9041		

Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19
Gene No.	63767	Strand	+
Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o1.tc	Method	TBLASTX:Cress
Start	8629	End	9087
GI	none	Score	59
Exons	8629..8718, 8722..8856, 8842..9087, 8868..9035		

Seq. No.	30825	Seq. ID	OJ990619_42.9A26.C19
Gene No.	63767	Strand	+
Start	5139	End	11770
Name	OJ990619_42.9A26.C19.o6.tw	Method	TBLASTX:Wheat
Start	8722	End	9054
GI	none	Score	105
Exons	8722..8847, 8742..8843, 8866..9054, 8922..9041, 8923..9042		

Seq. No.	30826	Seq. ID	OJ990619_42.9A26.C20
Gene No.	63768	Strand	+
Start	1	End	270
Name	OJ990619_42.9A26.C20.o1.np	Method	AAT/NAP
Start	1	End	270
GI	4768916	Score	208
Exons	1..270		
GI Descrip.	(AF133209) CLC-Nt2 protein [Nicotiana tabacum]		

Seq. No.	30826	Seq. ID	OJ990619_42.9A26.C20
Gene No.	63768	Strand	+
Start	1	End	270
Name	OJ990619_42.9A26.C20.o1.gs	Method	GENSCAN
Start	71	End	217
GI	none	Score	.88
Exons	71..217		

Seq. No.	30826	Seq. ID	OJ990619_42.9A26.C20
Gene No.	63769	Strand	-
Start	57	End	223
Name	OJ990619_42.9A26.C20.o1.ts	Method	TBLASTX:Soybean
Start	41	End	211
GI	none	Score	202
Exons	41..211, 85..210		

Seq. No.	30826	Seq. ID	OJ990619_42.9A26.C20

Gene No.	63769	Strand	-
Start	57	End	223
Name	OJ990619_42.9A26.C20.o1.tc	Method	TBLASTX:Cress
Start	44	End	223
GI	none	Score	213
Exons	44..223, 79..201		

Seq. No.	30826	Seq. ID	OJ990619_42.9A26.C20
Gene No.	63769	Strand	-
Start	57	End	223
Name	OJ990619_42.9A26.C20.o1.tm	Method	TBLASTX:Maize
Start	50	End	223
GI	none	Score	251
Exons	50..223, 79..216, 146..217		

Seq. No.	30826	Seq. ID	OJ990619_42.9A26.C20
Gene No.	63769	Strand	-
Start	57	End	223
Name	OJ990619_42.9A26.C20.o1.gp	Method	AAT/GAP
Start	57	End	220
GI	LIB3433-060-P1-K1-E11	Score	205
Exons	57..220		
GI Descrip.	'4768916/gb|AAD29679.1|AF133209_1 9.0e-22 (AF133209) CLC-Nt2 protein [Nicotiana tabacum]'		

Seq. No.	30827	Seq. ID	OJ990619_42.9A26.C21
Gene No.	63770	Strand	+
Start	1	End	430
Name	OJ990619_42.9A26.C21.o1.np	Method	AAT/NAP
Start	1	End	430
GI	4581205	Score	278
Exons	1..430		
GI Descrip.	(Y17913) cyclic nucleotide and calmodulin-regulated ion channel [Arabidopsis thaliana]		

Seq. No.	30827	Seq. ID	OJ990619_42.9A26.C21
Gene No.	63770	Strand	+
Start	1	End	430
Name	OJ990619_42.9A26.C21.o1.gs	Method	GENSCAN
Start	55	End	414
GI	none	Score	.98
Exons	55..414		

Seq. No.	30827	Seq. ID	OJ990619_42.9A26.C21
Gene No.	63770	Strand	+
Start	1	End	430
Name	OJ990619_42.9A26.C21.o1.tc	Method	TBLASTX:Cress
Start	126	End	426
GI	none	Score	163
Exons	126..305, 127..297, 277..426		

Seq. No.	30827	Seq. ID	OJ990619_42.9A26.C21
Gene No.	63770	Strand	+
Start	1	End	430
Name	OJ990619_42.9A26.C21.o1.ts	Method	TBLASTX:Soybean
Start	157	End	393
GI	none	Score	178

Exons 157..393, 159..341

Seq. No.	30828	Seq. ID	OJ990619_42.9A26.C22
Gene No.	63771	Strand	+
Start	1	End	2517
Name	OJ990619_42.9A26.C22.o1.np	Method	AAT/NAP
Start	1	End	2517
GI	4581207	Score	1503
Exons	1..63, 391..695, 1491..2517		
GI Descrip.	(Y17914) cyclic nucleotide and calmodulin-regulated ion channel [Arabidopsis thaliana]		

Seq. No.	30828	Seq. ID	OJ990619_42.9A26.C22
Gene No.	63771	Strand	+
Start	1	End	2517
Name	OJ990619_42.9A26.C22.o1.gs	Method	GENSCAN
Start	391	End	572
GI	none	Score	.91
	391..572		

Seq. No.	30828	Seq. ID	OJ990619_42.9A26.C22
Gene No.	63772	Strand	+
	10510	End	11234
	OJ990619_42.9A26.C22.o3.np	Method	AAT/NAP
Start	10510	End	11234
GI	15053	Score	162
Exons	10510..10663, 11196..11234		
GI Descrip.	..001080) hypothetical protein [Oryza sativa]		

Seq. No.	30828	Seq. ID	OJ990619_42.9A26.C22
Gene No.	63773	Strand	-
Start	1435	End	2468
Name	OJ990619_42.9A26.C22.o2.gs	Method	GENSCAN
Start	1435	End	2468
GI	none	Score	.77
Exons	1435..2319, 2388..2468		

Seq. No.	30828	Seq. ID	OJ990619_42.9A26.C22
Gene No.	63774	Strand	-
Start	3969	End	5405
Name	OJ990619_42.9A26.C22.o3.gs	Method	GEN.
Start	3969	End	539.
GI	none	Score	.65
Exons	3969..4127, 4603..4692, 5071..5394		

Seq. No.	30828	Seq. ID	OJ990619_42.9A26.C22
Gene No.	63774		
Start	3969	End	
Name	OJ990619_42.9A26.C22.o1.gp	Method	AAT/GAP
Start	4590	End	5405
GI	LIB3434-015-P1-K1-D3	Score	951
Exons	4590..4786, 5071..5405		
GI Descrip.	'3831458 1.0e-31 (AC005700) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	30828	Seq. ID	OJ990619_42.9A26.C22
Gene No.	63774	Strand	-

Start	3969	End	5405
Name	OJ990619_42.9A26.C22.o2.np	Method	AAT/NAP
Start	4613	End	5394
GI	3831458	Score	323
Exons	4613..4786, 5071..5394		
GI Descrip.	(AC005700) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30828	Seq. ID	OJ990619_42.9A26.C22
Gene No.	63775	Strand	-
Start	9594	End	10818
Name	OJ990619_42.9A26.C22.o1.tc	Method	TBLASTX:Cress
Start	391	End	2511
GI	none	Score	85
Exons	391..456, 589..693, 1488..1673, 1489..2304, 1926..1997, 2070..2267, 2365..2451, 2437..2511		

Seq. No.	30828	Seq. ID	OJ990619_42.9A26.C22
Gene No.	63775	Strand	-
Start	9594	End	10818
Name	OJ990619_42.9A26.C22.o2.ts	Method	TBLASTX:Soybean
Start	391	End	1589
GI	none	Score	87
Exons	391..459, 469..693, 1488..1589, 1489..1587		

Seq. No.	30828	Seq. ID	OJ990619_42.9A26.C22
Gene No.	63775	Strand	-
Start	9594	End	10818
Name	OJ990619_42.9A26.C22.o1.tm	Method	TBLASTX:Maize
Start	391	End	2298
GI	none	Score	70
Exons	391..456, 472..555, 637..693, 1489..2298, 1584..1673, 1731..1763, 1926..1997, 2070..2279, 2185..2298		

Seq. No.	30828	Seq. ID	OJ990619_42.9A26.C22
Gene No.	63775	Strand	-
Start	9594	End	10818
Name	OJ990619_42.9A26.C22.o1.ts	Method	TBLASTX:Soybean
Start	1599	End	2442
GI	none	Score	889
Exons	1599..1673, 1603..2304, 1731..1763, 1926..1997, 2073..2267, 2362..2442		

Seq. No.	30828	Seq. ID	OJ990619_42.9A26.C22
Gene No.	63775	Strand	-
Start	9594	End	10818
Name	OJ990619_42.9A26.C22.o1.tw	Method	TBLASTX:Wheat
Start	1654	End	2037
GI	none	Score	44
Exons	1654..1689, 1690..2037, 1932..1997		

Seq. No.	30828	Seq. ID	OJ990619_42.9A26.C22
Gene No.	63775	Strand	-
Start	9594	End	10818
Name	OJ990619_42.9A26.C22.o2.tm	Method	TBLASTX:Maize
Start	4733	End	5416
GI	none	Score	235
Exons	4733..4786, 5054..5416, 5071..5412		

Seq. No.	30828	Seq. ID	OJ990619_42.9A26.C22
Gene No.	63775	Strand	-
Start	9594	End	10818
Name	OJ990619_42.9A26.C22.o3.ts	Method	TBLASTX:Soybean
Start	5117	End	5392
GI	none	Score	100
Exons	5117..5392, 5119..5355		

Seq. No.	30828	Seq. ID	OJ990619_42.9A26.C22
Gene No.	63775	Strand	-
Start	9594	End	10818
Name	OJ990619_42.9A26.C22.o4.gs	Method	GENSCAN
Start	9594	End	10818
GI	none	Score	.93
Exons	9594..9810, 10116..10265, 10627..10818		

Seq. No.	30829	Seq. ID	OJ990619_42.9A26.C23
Gene No.	63776	Strand	+
Start	1978	End	3970
Name	OJ990619_42.9A26.C23.o3.np	Method	AAT/NAP
Start	1978	End	3970
GI	6721516	Score	284
Exons	1978..2001, 3630..3970		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	30829	Seq. ID	OJ990619_42.9A26.C23
Gene No.	63777	Strand	-
Start	1	End	4273
Name	OJ990619_42.9A26.C23.o1.np	Method	AAT/NAP
Start	1	End	1578
GI	6907086	Score	1269
Exons	1..190, 241..291, 519..745, 805..1578		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	30829	Seq. ID	OJ990619_42.9A26.C23
Gene No.	63777	Strand	-
Start	1	End	4273
Name	OJ990619_42.9A26.C23.o1.gs	Method	GENSCAN
Start	839	End	3820
GI	none	Score	.53
Exons	839..1285, 2526..2700, 3115..3227, 3710..3820		

Seq. No.	30829	Seq. ID	OJ990619_42.9A26.C23
Gene No.	63777	Strand	-
Start	1	End	4273
Name	OJ990619_42.9A26.C23.o2.np	Method	AAT/NAP
Start	2526	End	4273
GI	4680186	Score	179
Exons	2526..2704, 3207..3307, 4243..4273		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	30830	Seq. ID	OJ990619_42.9A26.C25
Gene No.	63778	Strand	+
Start	1	End	308
Name	OJ990619_42.9A26.C25.o1.np	Method	AAT/NAP
Start	1	End	308

GI	4234846	Score	100
Exons	1..67, 110..308		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	30830	Seq. ID	OJ990619_42.9A26.C25
Gene No.	63778	Strand	+
Start	1	End	308
Name	OJ990619_42.9A26.C25.o1.tm	Method	TBLASTX:Maize
Start	1	End	308
GI	none	Score	123
Exons	1..60, 5..154, 130..279, 145..306, 156..308		

Seq. No.	30831	Seq. ID	OJ990619_42.9A26.C27
Gene No.	63779	Strand	-
Start	62	End	480
Name	OJ990619_42.9A26.C27.o1.gs	Method	GENSCAN
Start	62	End	480
GI	none	Score	.59
Exons	62..276, 348..480		

Seq. No.	30832	Seq. ID	OJ990619_42.9A26.C28
Gene No.	63780	Strand	+
Start	76	End	257
Name	OJ990619_42.9A26.C28.o1.gs	Method	GENSCAN
Start	76	End	166
GI	none	Score	.6
Exons	76..166		

Seq. No.	30832	Seq. ID	OJ990619_42.9A26.C28
Gene No.	63780	Strand	+
Start	76	End	257
Name	OJ990619_42.9A26.C28.o1.np	Method	AAT/NAP
Start	76	End	257
GI	6721561	Score	139
Exons	76..257		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30833	Seq. ID	OJ990619_42.9A26.C30
Gene No.	63781	Strand	-
Start	1	End	100
Name	OJ990619_42.9A26.C30.o1.gp	Method	AAT/GAP
Start	1	End	100
GI	none	Score	188
Exons	1..100		

Seq. No.	30834	Seq. ID	OJ990619_42.9A26.C32
Gene No.	63782	Strand	-
Start	1283	End	1552
Name	OJ990619_42.9A26.C32.o1.np	Method	AAT/NAP
Start	1160	End	1333
GI	6063554	Score	145
Exons	1160..1333		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464)		

correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	30834	Seq. ID	OJ990619_42.9A26.C32
Gene No.	63782	Strand	-
Start	1283	End	1552
Name	OJ990619_42.9A26.C32.o1.gs	Method	GENSCAN
Start	1283	End	1552
GI	none	Score	.49
Exons	1283..1552		

Seq. No.	30835	Seq. ID	OJ990619_42.9A26.C33
Gene No.	63783	Strand	+
Start	103	End	629
Name	OJ990619_42.9A26.C33.o1.np	Method	AAT/NAP
Start	103	End	629
GI	5852179	Score	266
Exons	103..323, 398..629		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	30835	Seq. ID	OJ990619_42.9A26.C33
Gene No.	63784	Strand	-
Start	167	End	552
Name	OJ990619_42.9A26.C33.o1.gs	Method	GENSCAN
Start	167	End	552
GI	none	Score	.86
Exons	167..344, 350..552		

Seq. No.	30836	Seq. ID	OJ990619_42.9A26.C35
Gene No.	63785	Strand	+
Start	10104	End	23800
Name	OJ990619_42.9A26.C35.o3.gp	Method	AAT/GAP
Start	10104	End	12779
GI	uC-osroM202041f10b1	Score	862
Exons	10104..10246, 11431..11572, 12612..12779		
GI Descrip.	'3080439/emb|CAA18756.1| 2.0e-14 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	30836	Seq. ID	OJ990619_42.9A26.C35
Gene No.	63785	Strand	+
Start	10104	End	23800
Name	OJ990619_42.9A26.C35.o2.np	Method	AAT/NAP
Start	11462	End	23800
GI	6648161	Score	250
Exons	11462..11604, 12682..12857, 13307..13528, 15646..15781, 16751..16881, 23769..23800		
GI Descrip.	(AC010926) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30836	Seq. ID	OJ990619_42.9A26.C35
Gene No.	63785	Strand	+
Start	10104	End	23800
Name	OJ990619_42.9A26.C35.o3.gs	Method	GENSCAN
Start	11462	End	17845
GI	none	Score	.95
Exons	11462..11572, 12612..12857, 13307..13534, 15646..15759, 16741..17233, 17715..17845		

Seq. No.	30836	Seq. ID	OJ990619_42.9A26.C35
Gene No.	63785	Strand	+
Start	10104	End	23800
Name	OJ990619_42.9A26.C35.o4.gp	Method	AAT/GAP
Start	13406	End	16862
GI	427685	Score	630
Exons	13406..13534, 15646..15759, 16741..16862		
GI Descrip.	3075399 7.0e-14 (AC004484) SF16-like protein [Arabidopsis thaliana]		

Seq. No.	30836	Seq. ID	OJ990619_42.9A26.C35
Gene No.	63785	Strand	+
Start	10104	End	23800
Name	OJ990619_42.9A26.C35.o5.gp	Method	AAT/GAP
Start	17153	End	18111
GI	none	Score	917
Exons	17153..17233, 17715..18111		

Seq. No.	30836	Seq. ID	OJ990619_42.9A26.C35
Gene No.	63785	Strand	+
Start	10104	End	23800
Name	OJ990619_42.9A26.C35.o4.gs	Method	GENSCAN
Start	19529	End	23356
GI	none	Score	.63
Exons	19529..19623, 22567..22918, 23011..23248, 23331..23356		

Seq. No.	30836	Seq. ID	OJ990619_42.9A26.C35
Gene No.	63785	Strand	+
Start	10104	End	23800
Name	OJ990619_42.9A26.C35.o3.np	Method	AAT/NAP
Start	22751	End	23068
GI	4680203	Score	66
Exons	22751..22918, 23011..23068		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	30836	Seq. ID	OJ990619_42.9A26.C35
Gene No.	63786	Strand	-
Start	2450	End	7115
Name	OJ990619_42.9A26.C35.o1.gs	Method	GENSCAN
Start	2450	End	6926
GI	none	Score	.7
Exons	2450..2845, 3050..3234, 3501..3566, 3803..4093, 4177..4375, 4458..4734, 4815..4956, 5063..5225, 6267..6391, 6611..6926		

Seq. No.	30836	Seq. ID	OJ990619_42.9A26.C35
Gene No.	63786	Strand	-
Start	2450	End	7115
Name	OJ990619_42.9A26.C35.o2.gp	Method	AAT/GAP
Start	3366	End	7115
GI	1190_1.R1084	Score	3585
Exons	3366..4093, 4177..4375, 4458..4734, 4815..4956, 5063..5225, 6777..7115		
GI Descrip.	'2984709 0.0e+00 (AF053468) DnaJ-related protein ZMDJ1 [Zea mays]'		

Seq. No.	30836	Seq. ID	OJ990619_42.9A26.C35
Gene No.	63786	Strand	-

Start	2450	End	7115
Name	OJ990619_42.9A26.C35.o1.np	Method	AAT/NAP
Start	3774	End	6926
GI	2984709	Score	1995
Exons	3774..4093, 4177..4375, 4458..4734, 4815..4957, 5061..5225, 6777..6926		
GI Descrip.	(AF053468) DnaJ-related protein ZMDJ1 [Zea mays]		

Seq. No.	30836	Seq. ID	OJ990619_42.9A26.C35
Gene No.	63787	Strand	-
Start	10344	End	10685
Name	OJ990619_42.9A26.C35.o2.gs	Method	GENSCAN
Start	10344	End	10685
GI	none	Score	.95
Exons	10344..10685		

Seq. No.	30836	Seq. ID	OJ990619_42.9A26.C35
Gene No.	63788	Strand	-
Start	22962	End	25500
Name	OJ990619_42.9A26.C35.o1.ts	Method	TBLASTX:Soybean
Start	3754	End	6914
GI	none	Score	79
Exons	3754..3879, 3767..3886, 3852..4094, 3878..4117, 3879..4085, 4177..4308, 4178..4315, 4179..4322, 4179..4316, 4293..4376, 4304..4375, 4308..4379, 4458..4733, 4459..4731, 4676..4732, 4806..4919, 4814..4918, 4846..4953, 5077..5109, 5124..5228, 5125..5226, 6744..6866, 6778..6876, 6870..6914, 6871..6909		

Seq. No.	30836	Seq. ID	OJ990619_42.9A26.C35
Gene No.	63788	Strand	-
Start	22962	End	25500
Name	OJ990619_42.9A26.C35.o1.tm	Method	TBLASTX:Maize
Start	3762	End	6929
GI	none	Score	89
Exons	3762..3872, 3766..3813, 3844..4092, 3852..4094, 3854..4117, 3855..4103, 4162..4374, 4178..4375, 4179..4376, 4182..4379, 4458..4508, 4458..4733, 4459..4734, 4557..4622, 4598..4735, 4599..4736, 4806..4967, 4815..4919, 4816..4977, 5062..5226, 5065..5226, 5112..5228, 6744..6929, 6778..6909		

Seq. No.	30836	Seq. ID	OJ990619_42.9A26.C35
Gene No.	63788	Strand	-
Start	22962	End	25500
Name	OJ990619_42.9A26.C35.o1.tc	Method	TBLASTX:Cress
Start	3771	End	6909
GI	none	Score	51
Exons	3771..3809, 3772..3810, 3815..3877, 3855..4094, 3878..3922, 3879..4085, 3952..4086, 4178..4375, 4179..4376, 4203..4379, 4222..4377, 4457..4504, 4458..4505, 4458..4733, 4459..4731, 4497..4622, 4605..4736, 4812..4919, 4814..4918, 5062..5226, 5076..5228, 5077..5220, 5118..5228, 6744..6908, 6778..6909		

Seq. No.	30836	Seq. ID	OJ990619_42.9A26.C35
Gene No.	63788	Strand	-
Start	22962	End	25500
Name	OJ990619_42.9A26.C35.o1.tw	Method	TBLASTX:Wheat
Start	3852	End	4932

GI	none	Score	164
Exons	3852..4094, 3866..4135, 3879..4094, 3937..4140, 4162..4374, 4178..4375, 4179..4376, 4197..4379, 4458..4505, 4458..4733, 4459..4734, 4561..4734, 4613..4735, 4614..4736, 4798..4863, 4811..4915, 4814..4918, 4815..4919, 4818..4931, 4819..4932		

Seq. No.	30836	Seq. ID	OJ990619_42.9A26.C35
Gene No.	63788	Strand	-
Start	22962	End	25500
Name	OJ990619_42.9A26.C35.o2.tw	Method	TBLASTX:Wheat
Start	5080	End	6929
GI	none	Score	54
Exons	5080..5127, 5087..5212, 5112..5228, 5119..5226, 5168..5242, 6744..6929, 6778..6906		

Seq. No.	30836	Seq. ID	OJ990619_42.9A26.C35
Gene No.	63788	Strand	-
Start	22962	End	25500
Name	OJ990619_42.9A26.C35.o3.tm	Method	TBLASTX:Maize
Start	11459	End	16950
GI	none	Score	162
Exons	11459..11578, 11460..11570, 12611..12829, 12621..12830, 12798..12857, 13301..13540, 13306..13482, 13463..13534, 13473..13538, 15635..15757, 15645..15758, 15649..15759, 15651..15812, 15652..15759, 16727..16906, 16733..16906, 16738..16914, 16834..16914, 16900..16944, 16901..16945, 16903..16950		

Seq. No.	30836	Seq. ID	OJ990619_42.9A26.C35
Gene No.	63788	Strand	-
Start	22962	End	25500
Name	OJ990619_42.9A26.C35.o4.np	Method	AAT/NAP
Start	22962	End	25500
GI	3319345	Score	606
Exons	22962..22990, 24341..25500		
GI Descrip.	(AF077407) contains similarity to maize transposon MuDR (GB:M76978) [Arabidopsis thaliana]		

Seq. No.	30836	Seq. ID	OJ990619_42.9A26.C35
Gene No.	63788	Strand	-
Start	22962	End	25500
Name	OJ990619_42.9A26.C35.o5.gs	Method	GENSCAN
Start	23743	End	25414
GI	none	Score	.86
Exons	23743..23961, 24053..24145, 24230..24644, 24693..25414		

Seq. No.	30836	Seq. ID	OJ990619_42.9A26.C35
Gene No.	63788	Strand	-
Start	22962	End	25500
Name	OJ990619_42.9A26.C35.o3.ts	Method	TBLASTX:Soybean
Start	24470	End	24886
GI	none	Score	178
Exons	24470..24514, 24530..24886		

Seq. No.	30836	Seq. ID	OJ990619_42.9A26.C35
Gene No.	63788	Strand	-
Start	22962	End	25500

Name	OJ990619_42.9A26.C35.o2.tm	Method	TBLASTX:Maize
Start	24876	End	25499
GI	none	Score	44
Exons	24876..25055, 24890..25150, 25155..25226, 25157..25228, 25226..25288, 25308..25499, 25310..25498		

Seq. No.	30836	Seq. ID	OJ990619_42.9A26.C35
Gene No.	63788	Strand	-
Start	22962	End	25500
Name	OJ990619_42.9A26.C35.o2.ts	Method	TBLASTX:Soybean
Start	24890	End	25225
GI	none	Score	236
Exons	24890..25225		

Seq. No.	30837	Seq. ID	OJ990619_49.9A08.C2
Gene No.	63789	Strand	-
Start	1	End	644
Name	OJ990619_49.9A08.C2.o1.np	Method	AAT/NAP
Start	1	End	644
GI	2498930	Score	744
Exons	1..417, 585..644		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	30837	Seq. ID	OJ990619_49.9A08.C2
Gene No.	63789	Strand	-
Start	1	End	644
Name	OJ990619_49.9A08.C2.o1.gs	Method	GENSCAN
Start	23	End	644
GI	none	Score	.99
Exons	23..417, 585..644		

Seq. No.	30838	Seq. ID	OJ990619_49.9A08.C4
Gene No.	63790	Strand	-
Start	2445	End	2638
Name	OJ990619_49.9A08.C4.o1.gs	Method	GENSCAN
Start	2445	End	2638
GI	none	Score	.93
Exons	2445..2638		

Seq. No.	30839	Seq. ID	OJ990619_49.9A08.C5
Gene No.	63791	Strand	+
Start	251	End	501
Name	OJ990619_49.9A08.C5.o1.gs	Method	GENSCAN
Start	251	End	501
GI	none	Score	.54
Exons	251..395, 473..501		

Seq. No.	30840	Seq. ID	OJ990619_49.9A08.C6
Gene No.	63792	Strand	+
Start	1	End	2399
Name	OJ990619_49.9A08.C6.o1.np	Method	AAT/NAP
Start	1	End	2399
GI	4416302	Score	953
Exons	1..43, 1418..2399		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	30840	Seq. ID	OJ990619_49.9A08.C6
Gene No.	63792	Strand	+
Start	1	End	2399
Name	OJ990619_49.9A08.C6.o1.gs	Method	GENSCAN
Start	882	End	2399
GI	none	Score	.5
Exons	882..1019, 1444..1865, 2030..2399		

Seq. No.	30840	Seq. ID	OJ990619_49.9A08.C6
Gene No.	63793	Strand	+
Start	3988	End	5906
Name	OJ990619_49.9A08.C6.o2.gs	Method	GENSCAN
Start	3988	End	4582
GI	none	Score	.61
Exons	3988..4199, 4345..4582		

Seq. No.	30840	Seq. ID	OJ990619_49.9A08.C6
Gene No.	63793	Strand	+
Start	3988	End	5906
Name	OJ990619_49.9A08.C6.o2.np	Method	AAT/NAP
Start	4286	End	5906
GI	6539588	Score	173
Exons	4286..4562, 5847..5906		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	30840	Seq. ID	OJ990619_49.9A08.C6
Gene No.	63794	Strand	-
Start	5394	End	6091
Name	OJ990619_49.9A08.C6.o2.ts	Method	TBLASTX:Soybean
Start	1507	End	1740
GI	none	Score	185
Exons	1507..1740, 1524..1670		

Seq. No.	30840	Seq. ID	OJ990619_49.9A08.C6
Gene No.	63794	Strand	-
Start	5394	End	6091
Name	OJ990619_49.9A08.C6.o2.tm	Method	TBLASTX:Maize
Start	1539	End	1722
GI	none	Score	189
Exons	1539..1676, 1540..1722, 1552..1722		

Seq. No.	30840	Seq. ID	OJ990619_49.9A08.C6
Gene No.	63794	Strand	-
Start	5394	End	6091
Name	OJ990619_49.9A08.C6.o2.tw	Method	TBLASTX:Wheat
Start	1540	End	1887
GI	none	Score	101
Exons	1540..1683, 1720..1887		

Seq. No.	30840	Seq. ID	OJ990619_49.9A08.C6
Gene No.	63794	Strand	-
Start	5394	End	6091
Name	OJ990619_49.9A08.C6.o1.tm	Method	TBLASTX:Maize
Start	1723	End	2384
GI	none	Score	176
Exons	1723..1872, 1731..1805, 1887..2384, 1889..2368		

Seq. No.	30840	Seq. ID	OJ990619_49.9A08.C6
Gene No.	63794	Strand	-
Start	5394	End	6091
Name	OJ990619_49.9A08.C6.o1.ts	Method	TBLASTX:Soybean
Start	1741	End	2408
GI	none	Score	104
Exons	1741..1872, 1890..2129, 1928..2086, 2148..2408, 2162..2332		

Seq. No.	30840	Seq. ID	OJ990619_49.9A08.C6
Gene No.	63794	Strand	-
Start	5394	End	6091
Name	OJ990619_49.9A08.C6.o1.tw	Method	TBLASTX:Wheat
Start	1899	End	2333
GI	none	Score	115
Exons	1899..2138, 2157..2333, 2220..2333		

Seq. No.	30840	Seq. ID	OJ990619_49.9A08.C6
Gene No.	63794	Strand	-
Start	5394	End	6091
Name	OJ990619_49.9A08.C6.o1.tc	Method	TBLASTX:Cress
Start	1914	End	2378
GI	none	Score	60
Exons	1914..2009, 2013..2144, 2166..2378		

Seq. No.	30840	Seq. ID	OJ990619_49.9A08.C6
Gene No.	63794	Strand	-
Start	5394	End	6091
Name	OJ990619_49.9A08.C6.o3.gs	Method	GENSCAN
Start	5394	End	6091
GI	none	Score	.87
Exons	5394..5527, 5621..5658, 6018..6091		

Seq. No.	30841	Seq. ID	OJ990619_49.9A08.C7
Gene No.	63795	Strand	+
Start	52	End	302
Name	OJ990619_49.9A08.C7.o1.gs	Method	GENSCAN
Start	52	End	302
GI	none	Score	.64
Exons	52..93, 192..302		

Seq. No.	30842	Seq. ID	OJ990619_49.9A08.C8
Gene No.	63796	Strand	+
Start	214	End	3997
Name	OJ990619_49.9A08.C8.o1.gs	Method	GENSCAN
Start	214	End	3456
GI	none	Score	.88
Exons	214..395, 535..1348, 1440..1583, 1683..1835, 1911..2026, 2110..2277, 2989..3213, 3337..3456		

Seq. No.	30842	Seq. ID	OJ990619_49.9A08.C8
Gene No.	63796	Strand	+
Start	214	End	3997
Name	OJ990619_49.9A08.C8.o1.np	Method	AAT/NAP
Start	436	End	3997
GI	3320104	Score	1915
Exons	436..1348, 1440..1583, 1683..1835, 1911..2026, 2110..2277, 2989..3213, 3337..3392, 3864..3997		

GI Descrip. (AJ007366) calcium-dependent protein kinase [Zea mays]

Seq. No.	30842	Seq. ID	OJ990619_49.9A08.C8
Gene No.	63797	Strand	+
Start	10629	End	18554
Name	OJ990619_49.9A08.C8.o2.np	Method	AAT/NAP
Start	10629	End	17056
GI	2586082	Score	313
Exons	10629..10956, 11159..11732, 17032..17056		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	30842	Seq. ID	OJ990619_49.9A08.C8
Gene No.	63797	Strand	+
Start	10629	End	18554
Name	OJ990619_49.9A08.C8.o3.np	Method	AAT/NAP
Start	16038	End	18554
GI	4773893	Score	213
Exons	16038..16142, 17649..17803, 18181..18554		
GI Descrip.	(AF076243) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	30842	Seq. ID	OJ990619_49.9A08.C8
Gene No.	63798	Strand	-
Start	14076	End	18459
Name	OJ990619_49.9A08.C8.o1.tc	Method	TBLASTX:Cress
Start	793	End	3378
GI	none	Score	806
Exons	793..1362, 795..863, 915..1346, 1426..1581, 1442..1582, 1675..1836, 1676..1837, 1691..1840, 1913..2029, 1913..2026, 1915..2031, 2107..2286, 2109..2276, 2128..2277, 2988..3149, 2989..3210, 2989..3219, 3334..3378, 3336..3377		

Seq. No.	30842	Seq. ID	OJ990619_49.9A08.C8
Gene No.	63798	Strand	-
Start	14076	End	18459
Name	OJ990619_49.9A08.C8.o1.ts	Method	TBLASTX:Soybean
Start	835	End	3378
GI	none	Score	675
Exons	835..1362, 912..1082, 1131..1349, 1426..1590, 1439..1582, 1675..1767, 1676..1837, 1913..2029, 1933..2031, 2107..2286, 2109..2258, 2988..3149, 2988..3149, 2989..3213, 2989..3231, 3336..3377, 3337..3378		

Seq. No.	30842	Seq. ID	OJ990619_49.9A08.C8
Gene No.	63798	Strand	-
Start	14076	End	18459
Name	OJ990619_49.9A08.C8.o1.tm	Method	TBLASTX:Maize
Start	860	End	3375
GI	none	Score	619
Exons	860..904, 868..1362, 915..1349, 1108..1350, 1429..1581, 1439..1582, 1675..1851, 1676..1837, 1725..1886, 1912..2031, 1913..2029, 2107..2286, 2109..2162, 2134..2274, 2987..3172, 2988..3149, 2989..3213, 2989..3036, 2989..3213, 3336..3374, 3337..3375		

Seq. No.	30842	Seq. ID	OJ990619_49.9A08.C8
Gene No.	63798	Strand	-

Start	14076	End	18459
Name	OJ990619_49.9A08.C8.o2.tw	Method	TBLASTX:Wheat
Start	1012	End	1299
GI	none	Score	389
Exons	1012..1299, 1029..1298, 1105..1299		

Seq. No.	30842	Seq. ID	OJ990619_49.9A08.C8
Gene No.	63798	Strand	-
Start	14076	End	18459
Name	OJ990619_49.9A08.C8.o3.tw	Method	TBLASTX:Wheat
Start	1300	End	1834
GI	none	Score	83
Exons	1300..1365, 1302..1349, 1303..1356, 1429..1581, 1439..1582, 1675..1833, 1676..1834		

Seq. No.	30842	Seq. ID	OJ990619_49.9A08.C8
Gene No.	63798	Strand	-
Start	14076	End	18459
Name	OJ990619_49.9A08.C8.o1.tw	Method	TBLASTX:Wheat
Start	2178	End	3445
GI	none	Score	117
Exons	2178..2285, 2188..2286, 2188..2277, 2988..3146, 2989..3213, 2990..3214, 2992..3234, 3334..3426, 3337..3378, 3338..3427, 3377..3445		

Seq. No.	30842	Seq. ID	OJ990619_49.9A08.C8
Gene No.	63798	Strand	-
Start	14076	End	18459
Name	OJ990619_49.9A08.C8.o3.gs	Method	GENSCAN
Start	14076	End	17690
GI	none	Score	.57
Exons	14076..14387, 14787..14952, 15013..15116, 17487..17690		

Seq. No.	30842	Seq. ID	OJ990619_49.9A08.C8
Gene No.	63798	Strand	-
Start	14076	End	18459
Name	OJ990619_49.9A08.C8.o3.tm	Method	TBLASTX:Maize
Start	17586	End	17890
GI	none	Score	151
Exons	17586..17831, 17637..17834, 17638..17835, 17642..17866, 17642..17860, 17769..17882, 17812..17883, 17816..17890		

Seq. No.	30842	Seq. ID	OJ990619_49.9A08.C8
Gene No.	63798	Strand	-
Start	14076	End	18459
Name	OJ990619_49.9A08.C8.o4.tw	Method	TBLASTX:Wheat
Start	17624	End	18456
GI	none	Score	128
Exons	17624..17896, 18130..18147, 18250..18456, 18253..18447		

Seq. No.	30842	Seq. ID	OJ990619_49.9A08.C8
Gene No.	63798	Strand	-
Start	14076	End	18459
Name	OJ990619_49.9A08.C8.o2.tm	Method	TBLASTX:Maize
Start	18227	End	18459
GI	none	Score	92
Exons	18227..18430, 18228..18326, 18232..18456, 18232..18459		

Seq. No.	30843	Seq. ID	OJ990619_49.9A08.C9
Gene No.	63799	Strand	+
Start	543	End	731
Name	OJ990619_49.9A08.C9.o1.gs	Method	GENSCAN
Start	543	End	731
GI	none	Score	.47
Exons	543..731		

Seq. No.	30844	Seq. ID	OJ990619_49.9A08.C10
Gene No.	63800	Strand	+
Start	1	End	5423
Name	OJ990619_49.9A08.C10.o2.np	Method	AAT/NAP
Start	1	End	5423
GI	4680183	Score	198
Exons	1..25, 4654..4724, 5334..5423		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	30844	Seq. ID	OJ990619_49.9A08.C10
Gene No.	63800	Strand	+
Start	1	End	5423
Name	OJ990619_49.9A08.C10.o1.gs	Method	GENSCAN
Start	341	End	1691
GI	none	Score	.91
Exons	341..487, 1266..1691		

Seq. No.	30844	Seq. ID	OJ990619_49.9A08.C10
Gene No.	63800	Strand	+
Start	1	End	5423
Name	OJ990619_49.9A08.C10.o1.np	Method	AAT/NAP
Start	682	End	1694
GI	3894164	Score	173
Exons	682..802, 1266..1694		
GI Descrip.	(AC005312) putative phloem-specific lectin [Arabidopsis thaliana]		

Seq. No.	30844	Seq. ID	OJ990619_49.9A08.C10
Gene No.	63801	Strand	+
Start	6118	End	6637
Name	OJ990619_49.9A08.C10.o3.np	Method	AAT/NAP
Start	6118	End	6637
GI	6721560	Score	110
Exons	6118..6441, 6590..6637		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815085|dbj|BAA90371.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	30845	Seq. ID	OJ990619_49.9A08.C11
Gene No.	63802	Strand	-
Start	1	End	4134
Name	OJ990619_49.9A08.C11.o1.np	Method	AAT/NAP
Start	1	End	4134
GI	4680179	Score	5695
Exons	1..3593, 4108..4134		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	30845	Seq. ID	OJ990619_49.9A08.C11

Gene No.	63802	Strand	-
Start	1	End	4134
Name	OJ990619_49.9A08.C11.o7.tw	Method	TBLASTX:Wheat
Start	6	End	194
GI	none	Score	45
Exons	6..194, 37..102, 87..170		

Seq. No.	30845	Seq. ID	OJ990619_49.9A08.C11
Gene No.	63802	Strand	-
Start	1	End	4134
Name	OJ990619_49.9A08.C11.o1.tm	Method	TBLASTX:Maize
Start	42	End	654
GI	none	Score	160
Exons	42..440, 55..315, 165..362, 445..495, 446..496, 493..654, 500..652		

Seq. No.	30845	Seq. ID	OJ990619_49.9A08.C11
Gene No.	63802	Strand	-
Start	1	End	4134
Name	OJ990619_49.9A08.C11.o1.tw	Method	TBLASTX:Wheat
Start	195	End	834
GI	none	Score	74
Exons	195..425, 196..324, 445..834, 446..832		

Seq. No.	30845	Seq. ID	OJ990619_49.9A08.C11
Gene No.	63802	Strand	-
Start	1	End	4134
Name	OJ990619_49.9A08.C11.o4.tm	Method	TBLASTX:Maize
Start	703	End	994
GI	none	Score	256
Exons	703..993, 707..994		

Seq. No.	30845	Seq. ID	OJ990619_49.9A08.C11
Gene No.	63802	Strand	-
Start	1	End	4134
Name	OJ990619_49.9A08.C11.o2.ts	Method	TBLASTX:Soybean
Start	793	End	1053
GI	none	Score	171
Exons	793..1053, 794..1048		

Seq. No.	30845	Seq. ID	OJ990619_49.9A08.C11
Gene No.	63802	Strand	-
Start	1	End	4134
Name	OJ990619_49.9A08.C11.o1.tc	Method	TBLASTX:Cress
Start	817	End	1134
GI	none	Score	89
Exons	817..960, 818..958, 961..1134		

Seq. No.	30845	Seq. ID	OJ990619_49.9A08.C11
Gene No.	63802	Strand	-
Start	1	End	4134
Name	OJ990619_49.9A08.C11.o3.tw	Method	TBLASTX:Wheat
Start	841	End	1320
GI	none	Score	273
Exons	841..1320, 842..1096, 874..1287		

Seq. No.	30845	Seq. ID	OJ990619_49.9A08.C11

Gene No.	63802	Strand	-
Start	1	End	4134
Name	OJ990619_49.9A08.C11.o2.tw	Method	TBLASTX:Wheat
Start	1324	End	1833
GI	none	Score	45
Exons	1324..1833, 1415..1447, 1423..1755, 1490..1801		

Seq. No.	30845	Seq. ID	OJ990619_49.9A08.C11
Gene No.	63802	Strand	-
Start	1	End	4134
Name	OJ990619_49.9A08.C11.o2.tm	Method	TBLASTX:Maize
Start	1403	End	1761
GI	none	Score	160
Exons	1403..1741, 1408..1761, 1423..1758, 1583..1759		

Seq. No.	30845	Seq. ID	OJ990619_49.9A08.C11
Gene No.	63802	Strand	-
Start	1	End	4134
Name	OJ990619_49.9A08.C11.o3.ts	Method	TBLASTX:Soybean
Start	1582	End	1827
GI	none	Score	78
Exons	1582..1827, 1583..1804		

Seq. No.	30845	Seq. ID	OJ990619_49.9A08.C11
Gene No.	63802	Strand	-
Start	1	End	4134
Name	OJ990619_49.9A08.C11.o3.tm	Method	TBLASTX:Maize
Start	1798	End	2298
GI	none	Score	43
Exons	1798..2133, 1841..1891, 1916..2047, 2119..2298		

Seq. No.	30845	Seq. ID	OJ990619_49.9A08.C11
Gene No.	63802	Strand	-
Start	1	End	4134
Name	OJ990619_49.9A08.C11.o5.tw	Method	TBLASTX:Wheat
Start	1834	End	2136
GI	none	Score	229
Exons	1834..2136, 1835..2098, 2049..2135		

Seq. No.	30845	Seq. ID	OJ990619_49.9A08.C11
Gene No.	63802	Strand	-
Start	1	End	4134
Name	OJ990619_49.9A08.C11.o1.ts	Method	TBLASTX:Soybean
Start	1849	End	2244
GI	none	Score	153
Exons	1849..2208, 1850..2092, 1978..2208, 2212..2244		

Seq. No.	30845	Seq. ID	OJ990619_49.9A08.C11
Gene No.	63802	Strand	-
Start	1	End	4134
Name	OJ990619_49.9A08.C11.o4.tw	Method	TBLASTX:Wheat
Start	2185	End	2668
GI	none	Score	162
Exons	2185..2430, 2228..2431, 2429..2668, 2430..2564		

Seq. No.	30845	Seq. ID	OJ990619_49.9A08.C11
Gene No.	63802	Strand	-

Start	1	End	4134
Name	OJ990619_49.9A08.C11.o5.tm	Method	TBLASTX:Maize
Start	2366	End	2658
GI	none	Score	61
Exons	2366..2431, 2368..2430, 2429..2656, 2430..2558, 2430..2657, 2431..2658		

Seq. No.	30845	Seq. ID	OJ990619_49.9A08.C11
Gene No.	63802	Strand	-
Start	1	End	4134
Name	OJ990619_49.9A08.C11.o6.tw	Method	TBLASTX:Wheat
Start	2843	End	3247
GI	none	Score	94
Exons	2843..3013, 2844..2987, 3041..3247, 3099..3197, 3131..3244		

Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63803	Strand	+
Start	663	End	7483
Name	OJ990619_49.9A08.C12.o1.gp	Method	AAT/GAP
Start	663	End	1046
GI	uC-osflcyp033a04b1	Score	669
Exons	663..1046		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63803	Strand	+
Start	663	End	7483
Name	OJ990619_49.9A08.C12.o1.gs	Method	GENSCAN
Start	768	End	7483
GI	none	Score	.63
Exons	768..833, 1935..2700, 2739..2767, 2994..5245, 5287..7483		

Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63803	Strand	+
Start	663	End	7483
Name	OJ990619_49.9A08.C12.o2.np	Method	AAT/NAP
Start	2991	End	7480
GI	4680179	Score	5319
Exons	2991..4076, 4110..7480		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63804	Strand	-
Start	596	End	5911
Name	OJ990619_49.9A08.C12.o1.np	Method	AAT/NAP
Start	596	End	5652
GI	4680186	Score	346
Exons	596..797, 1637..1692, 5612..5652		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63804	Strand	-
Start	596	End	5911
Name	OJ990619_49.9A08.C12.o9.tw	Method	TBLASTX:Wheat
Start	3234	End	3433
GI	none	Score	207

Exons	3234..3431, 3236..3433		
Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63804	Strand	-
Start	596	End	5911
Name	OJ990619_49.9A08.C12.o7.tw	Method	TBLASTX:Wheat
Start	3467	End	3818
GI	none	Score	293
Exons	3467..3661, 3468..3818		
Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63804	Strand	-
Start	596	End	5911
Name	OJ990619_49.9A08.C12.o6.tm	Method	TBLASTX:Maize
Start	3468	End	3773
GI	none	Score	232
Exons	3468..3773, 3482..3598		
Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63804	Strand	-
Start	596	End	5911
Name	OJ990619_49.9A08.C12.o7.tm	Method	TBLASTX:Maize
Start	4101	End	4454
GI	none	Score	189
Exons	4101..4454		
Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63804	Strand	-
Start	596	End	5911
Name	OJ990619_49.9A08.C12.o8.tw	Method	TBLASTX:Wheat
Start	4137	End	4574
GI	none	Score	163
Exons	4137..4346, 4193..4345, 4391..4504, 4392..4505, 4533..4574		
Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63804	Strand	-
Start	596	End	5911
Name	OJ990619_49.9A08.C12.o4.tw	Method	TBLASTX:Wheat
Start	4674	End	5156
GI	none	Score	51
Exons	4674..4724, 4778..5113, 4779..5156		
Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63804	Strand	-
Start	596	End	5911
Name	OJ990619_49.9A08.C12.o4.tm	Method	TBLASTX:Maize
Start	4779	End	5210
GI	none	Score	356
Exons	4779..5210, 5009..5203		
Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63804	Strand	-
Start	596	End	5911
Name	OJ990619_49.9A08.C12.o1.ts	Method	TBLASTX:Soybean
Start	5097	End	5461
GI	none	Score	57
Exons	5097..5129, 5099..5128, 5133..5297, 5133..5276, 5201..5278,		

5290..5460, 5291..5461

Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63804	Strand	-
Start	596	End	5911
Name	OJ990619_49.9A08.C12.o6.tw	Method	TBLASTX:Wheat
Start	5205	End	5476
GI	none	Score	112
Exons	5205..5297, 5205..5276, 5206..5286, 5207..5293, 5290..5460, 5291..5476, 5297..5470		

Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63804	Strand	-
Start	596	End	5911
Name	OJ990619_49.9A08.C12.o5.tm	Method	TBLASTX:Maize
Start	5226	End	5542
GI	none	Score	48
Exons	5226..5273, 5291..5542, 5293..5541		

Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63804	Strand	-
Start	596	End	5911
Name	OJ990619_49.9A08.C12.o3.tw	Method	TBLASTX:Wheat
Start	5477	End	5899
GI	none	Score	595
Exons	5477..5899, 5509..5898		

Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63804	Strand	-
Start	596	End	5911
Name	OJ990619_49.9A08.C12.o3.ts	Method	TBLASTX:Soybean
Start	5483	End	5728
GI	none	Score	207
Exons	5483..5728, 5500..5628		

Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63804	Strand	-
Start	596	End	5911
Name	OJ990619_49.9A08.C12.o2.tm	Method	TBLASTX:Maize
Start	5548	End	5911
GI	none	Score	479
Exons	5548..5898, 5549..5902, 5549..5911		

Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63805	Strand	
Start	5902	End	7435
Name	OJ990619_49.9A08.C12.o2.tw	Method	TBLASTX:Wheat
Start	5902	End	6469
GI	none	Score	655
Exons	5902..6468, 5933..6469		

Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63805	Strand	
Start	5902	End	7435
Name	OJ990619_49.9A08.C12.o1.tc	Method	TBLASTX:Cress
Start	6176	End	6493
GI	none	Score	90

Exons	6176..6349, 6350..6493, 6352..6492		
Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63805	Strand	
Start	5902	End	7435
Name	OJ990619_49.9A08.C12.o2.ts	Method	TBLASTX:Soybean
Start	6257	End	6518
GI	none	Score	296
Exons	6257..6517, 6262..6516, 6336..6518		
Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63805	Strand	
Start	5902	End	7435
Name	OJ990619_49.9A08.C12.o3.tm	Method	TBLASTX:Maize
Start	6315	End	6607
GI	none	Score	104
Exons	6315..6503, 6316..6603, 6317..6607		
Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63805	Strand	
Start	5902	End	7435
Name	OJ990619_49.9A08.C12.o1.tw	Method	TBLASTX:Wheat
Start	6476	End	7102
GI	none	Score	707
Exons	6476..7102, 6532..7101		
Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63805	Strand	
Start	5902	End	7435
Name	OJ990619_49.9A08.C12.o1.tm	Method	TBLASTX:Maize
Start	6656	End	7255
GI	none	Score	225
Exons	6656..6817, 6664..6810, 6814..7239, 6815..7255		
Seq. No.	30846	Seq. ID	OJ990619_49.9A08.C12
Gene No.	63805	Strand	
Start	5902	End	7435
Name	OJ990619_49.9A08.C12.o5.tw	Method	TBLASTX:Wheat
Start	7102	End	7435
GI	none	Score	323
Exons	7102..7335, 7103..7435, 7106..7414		
Seq. No.	30847	Seq. ID	OJ990619_49.9A08.C13
Gene No.	63806	Strand	+
Start	2863	End	4766
Name	OJ990619_49.9A08.C13.o2.np	Method	AAT/NAP
Start	2863	End	4766
GI	4680186	Score	211
Exons	2863..2892, 4594..4766		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	30847	Seq. ID	OJ990619_49.9A08.C13
Gene No.	63807	Strand	-
Start	1760	End	4745
Name	OJ990619_49.9A08.C13.o1.gs	Method	GENSCAN
Start	1760	End	4640
GI	none	Score	.8

Exons	1760..3109, 4575..4640		
Seq. No.	30847	Seq. ID	OJ990619_49.9A08.C13
Gene No.	63807	Strand	-
Start	1760	End	4745
Name	OJ990619_49.9A08.C13.o1.np	Method	AAT/NAP
Start	1868	End	3130
GI	4680179	Score	606
Exons	1868..2104, 2273..3130		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	30847	Seq. ID	OJ990619_49.9A08.C13
Gene No.	63807	Strand	-
Start	1760	End	4745
Name	OJ990619_49.9A08.C13.o1.tm	Method	TBLASTX:Maize
Start	2348	End	2647
GI	none	Score	75
Exons	2348..2647, 2544..2633		
Seq. No.	30847	Seq. ID	OJ990619_49.9A08.C13
Gene No.	63807	Strand	-
Start	1760	End	4745
Name	OJ990619_49.9A08.C13.o1.tw	Method	TBLASTX:Wheat
Start	2528	End	2887
GI	none	Score	54
Exons	2528..2818, 2528..2887, 2532..2885		
Seq. No.	30847	Seq. ID	OJ990619_49.9A08.C13
Gene No.	63807	Strand	-
Start	1760	End	4745
Name	OJ990619_49.9A08.C13.o1.gp	Method	AAT/GAP
Start	4362	End	4745
GI	uC-osflcyp033a04b1	Score	649
Exons	4362..4745		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	30848	Seq. ID	OJ990619_49.9A08.C15
Gene No.	63808	Strand	+
Start	741	End	1113
Name	OJ990619_49.9A08.C15.o1.gp	Method	AAT/GAP
Start	741	End	1113
GI	uC-osflcyp033a04b1	Score	604
Exons	741..1113		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	30848	Seq. ID	OJ990619_49.9A08.C15
Gene No.	63809	Strand	-
Start	182	End	310
Name	OJ990619_49.9A08.C15.o1.gs	Method	GENSCAN
Start	182	End	310
GI	none	Score	.46
Exons	182..310		
Seq. No.	30848	Seq. ID	OJ990619_49.9A08.C15
Gene No.	63810	Strand	-

Start	669	End	1113
Name	OJ990619_49.9A08.C15.o1.np	Method	AAT/NAP
Start	669	End	1113
GI	4680186	Score	211
Exons	669..901, 1030..1113		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	30849	Seq. ID	OJ990619_49.9A08.C16
Gene No.	63811	Strand	+
Start	1	End	1980
Name	OJ990619_49.9A08.C16.o1.np	Method	AAT/NAP
Start	1	End	1663
GI	161752	Score	104
Exons	1..49, 636..709, 827..960, 994..1069, 1215..1293, 1561..1663		
GI Descrip.	(L03710) cnjB [Tetrahymena thermophila] gi|737494|prf||1922371A cnjB gene [Tetrahymena thermophila]		

Seq. No.	30849	Seq. ID	OJ990619_49.9A08.C16
Gene No.	63811	Strand	+
Start	1	End	1980
Name	OJ990619_49.9A08.C16.o1.gs	Method	GENSCAN
Start	343	End	1980
GI	none	Score	.61
Exons	343..1716, 1825..1980		

Seq. No.	30849	Seq. ID	OJ990619_49.9A08.C16
Gene No.	63812	Strand	+
Start	2946	End	3960
Name	OJ990619_49.9A08.C16.o2.gs	Method	GENSCAN
Start	2946	End	3960
GI	none	Score	.91
Exons	2946..3171, 3851..3960		

Seq. No.	30850	Seq. ID	OJ990619_49.9A08.C17
Gene No.	63813	Strand	+
Start	1095	End	3173
Name	OJ990619_49.9A08.C17.o1.gs	Method	GENSCAN
Start	1095	End	3163
GI	none	Score	.79
Exons	1095..1455, 1834..1951, 2309..2405, 2576..3163		

Seq. No.	30850	Seq. ID	OJ990619_49.9A08.C17
Gene No.	63813	Strand	+
Start	1095	End	3173
Name	OJ990619_49.9A08.C17.o1.np	Method	AAT/NAP
Start	1161	End	2045
GI	5042448	Score	1303
Exons	1161..1748, 1776..2045		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	30850	Seq. ID	OJ990619_49.9A08.C17
Gene No.	63813	Strand	+
Start	1095	End	3173
Name	OJ990619_49.9A08.C17.o2.np	Method	AAT/NAP
Start	2309	End	3173
GI	4680179	Score	1266

Exons	2309..3173		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	30850	Seq. ID	OJ990619_49.9A08.C17
Gene No.	63814	Strand	+
Start	4598	End	6908
Name	OJ990619_49.9A08.C17.o2.gs	Method	GENSCAN
Start	4598	End	6908
GI	none	Score	.48
Exons	4598..5275, 5532..5601, 6880..6908		
Seq. No.	30850	Seq. ID	OJ990619_49.9A08.C17
Gene No.	63814	Strand	+
Start	4598	End	6908
Name	OJ990619_49.9A08.C17.o3.gp	Method	AAT/GAP
Start	6055	End	6440
GI	uC-osflcyp033a04b1	Score	629
Exons	6055..6440		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	30850	Seq. ID	OJ990619_49.9A08.C17
Gene No.	63815	Strand	-
Start	3851	End	3968
Name	OJ990619_49.9A08.C17.o1.gp	Method	AAT/GAP
Start	3851	End	3968
GI	uC-osflcyp033a04b1	Score	185
Exons	3851..3968		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	30850	Seq. ID	OJ990619_49.9A08.C17
Gene No.	63816	Strand	-
Start	3965	End	6336
Name	OJ990619_49.9A08.C17.o3.np	Method	AAT/NAP
Start	3965	End	6336
GI	5852180	Score	618
Exons	3965..4009, 4719..5128, 5180..5297, 6289..6336		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	30850	Seq. ID	OJ990619_49.9A08.C17
Gene No.	63817	Strand	-
Start	8312	End	12322
Name	OJ990619_49.9A08.C17.o2.tw	Method	TBLASTX:Wheat
Start	2575	End	2935
GI	none	Score	280
Exons	2575..2676, 2576..2935, 2606..2716, 2701..2934		
Seq. No.	30850	Seq. ID	OJ990619_49.9A08.C17
Gene No.	63817	Strand	-
Start	8312	End	12322
Name	OJ990619_49.9A08.C17.o3.tm	Method	TBLASTX:Maize
Start	2816	End	3112
GI	none	Score	197
Exons	2816..3112, 2833..3003, 3044..3100		
Seq. No.	30850	Seq. ID	OJ990619_49.9A08.C17

Gene No.	63817	Strand	-
Start	8312	End	12322
Name	OJ990619_49.9A08.C17.o3.gs	Method	GENSCAN
Start	8312	End	12322
GI	none	Score	.79
Exons	8312..8510, 9489..9588, 12189..12322		

Seq. No.	30850	Seq. ID	OJ990619_49.9A08.C17
Gene No.	63818	Strand	
Start	12839	End	13129
Name	OJ990619_49.9A08.C17.o2.tm	Method	TBLASTX:Maize
Start	12839	End	13129
GI	none	Score	79
Exons	12839..12937, 12932..13129, 12944..13075, 13017..13094		

Seq. No.	30850	Seq. ID	OJ990619_49.9A08.C17
Gene No.	63819	Strand	
Start	13208	End	13808
Name	OJ990619_49.9A08.C17.o1.tw	Method	TBLASTX:Wheat
Start	13208	End	13577
GI	none	Score	102
Exons	13208..13390, 13209..13367, 13374..13577		

Seq. No.	30850	Seq. ID	OJ990619_49.9A08.C17
Gene No.	63819	Strand	
Start	13208	End	13808
Name	OJ990619_49.9A08.C17.o1.tm	Method	TBLASTX:Maize
Start	13301	End	13808
GI	none	Score	64
Exons	13301..13369, 13305..13367, 13401..13772, 13543..13773, 13554..13808, 13561..13770		

Seq. No.	30851	Seq. ID	OJ990619_49.9A08.C18
Gene No.	63820	Strand	+
Start	133	End	1980
Name	OJ990619_49.9A08.C18.o1.gs	Method	GENSCAN
Start	133	End	1980
GI	none	Score	.73
Exons	133..257, 1896..1980		

Seq. No.	30851	Seq. ID	OJ990619_49.9A08.C18
Gene No.	63821	Strand	+
Start	4459	End	16191
Name	OJ990619_49.9A08.C18.o2.gs	Method	GENSCAN
Start	4459	End	16150
GI	none	Score	.44
Exons	4459..4492, 5759..5888, 8258..8489, 8521..8692, 13038..13157, 14139..14266, 15682..15703, 15941..16045, 16103..16150		

Seq. No.	30851	Seq. ID	OJ990619_49.9A08.C18
Gene No.	63821	Strand	+
Start	4459	End	16191
Name	OJ990619_49.9A08.C18.o1.np	Method	AAT/NAP
Start	4968	End	16191
GI	6815109	Score	184
Exons	4968..5135, 5325..5559, 8135..8198, 16168..16191		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	30852	Seq. ID	OJ990619_49.9A08.C19
Gene No.	63822	Strand	+
Start	928	End	3811
Name	OJ990619_49.9A08.C19.o1.gs	Method	GENSCAN
Start	928	End	3811
GI	none	Score	.91
Exons	928..1073, 3688..3811		

Seq. No.	30853	Seq. ID	OJ990619_49.9A08.C20
Gene No.	63823	Strand	-
Start	264	End	440
Name	OJ990619_49.9A08.C20.o1.tw	Method	TBLASTX:Wheat
Start	3	End	254
GI	none	Score	89
Exons	3..134, 3..254, 13..204		

Seq. No.	30853	Seq. ID	OJ990619_49.9A08.C20
Gene No.	63823	Strand	-
Start	264	End	440
Name	OJ990619_49.9A08.C20.o1.tm	Method	TBLASTX:Maize
Start	10	End	438
GI	none	Score	59
Exons	10..132, 12..254, 245..430, 262..438		

Seq. No.	30853	Seq. ID	OJ990619_49.9A08.C20
Gene No.	63823	Strand	-
Start	264	End	440
Name	OJ990619_49.9A08.C20.o1.gs	Method	GENSCAN
Start	264	End	440
GI	none	Score	.46
Exons	264..440		

Seq. No.	30853	Seq. ID	OJ990619_49.9A08.C20
Gene No.	63824	Strand	
Start	491	End	705
Name	OJ990619_49.9A08.C20.o2.tw	Method	TBLASTX:Wheat
Start	491	End	705
GI	none	Score	56
Exons	491..577, 496..705, 629..676		

Seq. No.	30854	Seq. ID	OJ990619_49.9A08.C21
Gene No.	63825	Strand	-
Start	251	End	355
Name	OJ990619_49.9A08.C21.o1.gs	Method	GENSCAN
Start	251	End	355
GI	none	Score	.55
Exons	251..355		

Seq. No.	30855	Seq. ID	OJ990619_49.9A08.C22
Gene No.	63826	Strand	+
Start	983	End	4128
Name	OJ990619_49.9A08.C22.o1.gs	Method	GENSCAN
Start	983	End	4128
GI	none	Score	.46
Exons	983..1030, 2746..2866, 4019..4128		

Seq. No.	30855	Seq. ID	OJ990619_49.9A08.C22
Gene No.	63827	Strand	-
Start	3629	End	3896
Name	OJ990619_49.9A08.C22.o1.gp	Method	AAT/GAP
Start	3629	End	3896
GI	LIB3434-035-P1-K1-A7	Score	465
Exons	3629..3896		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	30855	Seq. ID	OJ990619_49.9A08.C22
Gene No.	63828	Strand	-
Start	6346	End	6888
Name	OJ990619_49.9A08.C22.o2.gs	Method	GENSCAN
Start	6346	End	6888
GI	none	Score	.99
Exons	6346..6411, 6838..6888		

Seq. No.	30856	Seq. ID	OJ990619_49.9A08.C25
Gene No.	63829	Strand	-
Start	2357	End	3003
Name	OJ990619_49.9A08.C25.o2.gs	Method	GENSCAN
Start	2357	End	3003
GI	none	Score	.7
Exons	2357..2428, 2992..3003		

Seq. No.	30857	Seq. ID	OJ990619_49.9A08.C26
Gene No.	63830	Strand	+
Start	280	End	533
Name	OJ990619_49.9A08.C26.o1.gs	Method	GENSCAN
Start	280	End	533
GI	none	Score	.48
Exons	280..533		

Seq. No.	30857	Seq. ID	OJ990619_49.9A08.C26
Gene No.	63831	Strand	-
Start	1375	End	2244
Name	OJ990619_49.9A08.C26.o2.gs	Method	GENSCAN
Start	1375	End	2207
GI	none	Score	.78
Exons	1375..1500, 1983..2207		

Seq. No.	30857	Seq. ID	OJ990619_49.9A08.C26
Gene No.	63831	Strand	-
Start	1375	End	2244
Name	OJ990619_49.9A08.C26.o1.np	Method	AAT/NAP
Start	1927	End	2244
GI	6539588	Score	100
Exons	1927..2244		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	30857	Seq. ID	OJ990619_49.9A08.C26
Gene No.	63832	Strand	-
Start	5761	End	5926
Name	OJ990619_49.9A08.C26.o3.gs	Method	GENSCAN
Start	5761	End	5926
GI	none	Score	.99

Exons	5761..5926		
Seq. No.	30858	Seq. ID	OJ990619_49.9A08.C27
Gene No.	63833	Strand	+
Start	452	End	564
Name	OJ990619_49.9A08.C27.o1.gs	Method	GENSCAN
Start	452	End	564
GI	none	Score	.62
Exons	452..564		
Seq. No.	30858	Seq. ID	OJ990619_49.9A08.C27
Gene No.	63834	Strand	-
Start	410	End	685
Name	OJ990619_49.9A08.C27.o1.np	Method	AAT/NAP
Start	410	End	685
GI	6721559	Score	156
Exons	410..541, 571..685		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	30859	Seq. ID	OJ990519_30.9A20.C1
Gene No.	63835	Strand	+
Start	26	End	122
Name	OJ990519_30.9A20.C1.o1.gs	Method	GENSCAN
Start	26	End	122
GI	none	Score	.81
Exons	26..122		
Seq. No.	30860	Seq. ID	OJ990519_30.9A20.C2
Gene No.	63836	Strand	-
Start	1	End	8883
Name	OJ990519_30.9A20.C2.o1.np	Method	AAT/NAP
Start	1	End	8883
GI	4115923	Score	1597
Exons	1..244, 361..883, 1223..1375, 1468..1740, 3506..3658, 4966..5106, 5137..5578, 6151..6258, 6290..6403, 7229..7373, 7925..8149, 8735..8883		
GI Descrip.	(AF118222) contains similarity to ubiquitin carboxyl-terminal hydrolase family 2 (Pfam:PF00443, score=40.0, E=5.2e-08, N=1) and (Pfam:PF00442, Score=37.9 E=5.3e-10, N=1) [Arabidopsis thaliana]		
Seq. No.	30860	Seq. ID	OJ990519_30.9A20.C2
Gene No.	63836	Strand	-
Start	1	End	8883
Name	OJ990519_30.9A20.C2.o1.gp	Method	AAT/GAP
Start	128	End	639
GI	uC-osflcyp159b09b1	Score	726
Exons	128..244, 361..639		
GI Descrip.	'4539435/emb|CAB40023.1| 4.0e-53 (AL049523) putative protein [Arabidopsis thaliana]'		
Seq. No.	30860	Seq. ID	OJ990519_30.9A20.C2
Gene No.	63836	Strand	-
Start	1	End	8883
Name	OJ990519_30.9A20.C2.o1.tc	Method	TBLASTX:Cress

Start	130	End	428
GI	none	Score	125
Exons	130..243, 131..241, 131..244, 138..290, 358..420, 360..428		

Seq. No.	30860	Seq. ID	OJ990519_30.9A20.C2
Gene No.	63836	Strand	-
Start	1	End	8883
Name	OJ990519_30.9A20.C2.o1.ts	Method	TBLASTX:Soybean
Start	130	End	534
GI	none	Score	145
Exons	130..243, 131..244, 138..290, 360..533, 361..534		

Seq. No.	30860	Seq. ID	OJ990519_30.9A20.C2
Gene No.	63836	Strand	-
Start	1	End	8883
Name	OJ990519_30.9A20.C2.o2.tm	Method	TBLASTX:Maize
Start	166	End	570
GI	none	Score	114
Exons	166..243, 167..244, 167..244, 360..512, 360..569, 361..561, 388..570		

Seq. No.	30860	Seq. ID	OJ990519_30.9A20.C2
Gene No.	63836	Strand	-
Start	1	End	8883
Name	OJ990519_30.9A20.C2.o1.gs	Method	GENSCAN
Start	361	End	1659
GI	none	Score	.93
Exons	361..703, 718..917, 1230..1375, 1558..1659		

Seq. No.	30860	Seq. ID	OJ990519_30.9A20.C2
Gene No.	63836	Strand	-
Start	1	End	8883
Name	OJ990519_30.9A20.C2.o4.tm	Method	TBLASTX:Maize
Start	576	End	918
GI	none	Score	44
Exons	576..674, 593..634, 597..659, 664..708, 666..710, 710..895, 711..884, 733..885, 733..918		

Seq. No.	30860	Seq. ID	OJ990519_30.9A20.C2
Gene No.	63836	Strand	-
Start	1	End	8883
Name	OJ990519_30.9A20.C2.o3.tm	Method	TBLASTX:Maize
Start	1463	End	1724
GI	none	Score	259
Exons	1463..1699, 1465..1680, 1680..1724, 1682..1723		

Seq. No.	30860	Seq. ID	OJ990519_30.9A20.C2
Gene No.	63836	Strand	-
Start	1	End	8883
Name	OJ990519_30.9A20.C2.o2.ts	Method	TBLASTX:Soybean
Start	1603	End	5098
GI	none	Score	106
Exons	1603..1680, 1604..1702, 1680..1745, 1680..1724, 3506..3661, 3510..3689, 3512..3652, 4964..5098, 4964..5089, 4966..5097		

Seq. No.	30860	Seq. ID	OJ990519_30.9A20.C2
Gene No.	63836	Strand	-

Start	1	End	8883
Name	OJ990519_30.9A20.C2.o2.gs	Method	GENSCAN
Start	3497	End	8883
GI	none	Score	.97
Exons	3497..3658, 5186..5578, 6151..6246, 6344..6403, 7229..7373, 7925..8149, 8735..8883		

Seq. No.	30860	Seq. ID	OJ990519_30.9A20.C2
Gene No.	63836	Strand	-
Start	1	End	8883
Name	OJ990519_30.9A20.C2.o5.tm	Method	TBLASTX:Maize
Start	3506	End	5043
GI	none	Score	142
Exons	3506..3661, 3509..3661, 4958..5038, 4966..5043, 4970..5041		

Seq. No.	30860	Seq. ID	OJ990519_30.9A20.C2
Gene No.	63836	Strand	-
Start	1	End	8883
Name	OJ990519_30.9A20.C2.o2.gp	Method	AAT/GAP
Start	3625	End	5525
GI	uC-osflcyp110a07b1	Score	950
Exons	3625..3658, 4966..5106, 5186..5525		
GI Descrip.	'4539437/emb|CAB40025.1| 2.0e-49 (AL049523) putative protein [Arabidopsis thaliana]'		

Seq. No.	30860	Seq. ID	OJ990519_30.9A20.C2
Gene No.	63836	Strand	-
Start	1	End	8883
Name	OJ990519_30.9A20.C2.o3.ts	Method	TBLASTX:Soybean
Start	5186	End	5339
GI	none	Score	152
Exons	5186..5329, 5193..5339		

Seq. No.	30860	Seq. ID	OJ990519_30.9A20.C2
Gene No.	63836	Strand	-
Start	1	End	8883
Name	OJ990519_30.9A20.C2.o1.tm	Method	TBLASTX:Maize
Start	5202	End	6192
GI	none	Score	176
Exons	5202..5363, 5202..5354, 5204..5365, 5204..5362, 5352..5522, 5359..5523, 5365..5523, 5468..5596, 6133..6192		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63837	Strand	+
Start	3140	End	8346
Name	OJ990519_30.9A20.C3.o2.np	Method	AAT/NAP
Start	3140	End	8346
GI	4680186	Score	202
Exons	3140..3178, 8158..8346		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63838	Strand	+
Start	9988	End	15955
Name	OJ990519_30.9A20.C3.o4.np	Method	AAT/NAP
Start	9988	End	15955
GI	3513745	Score	590

Exons	9988..10012, 11263..11324, 13486..14856, 14962..15101, 15162..15360, 15918..15955		
GI Descrip.	(AF080118) contains similarity to reverse trancriptase (Pfam: rvt.hmm, score: 42.57) [Arabidopsis thaliana]		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63838	Strand	+
Start	9988	End	15955
Name	OJ990519_30.9A20.C3.o5.gs	Method	GENSCAN
Start	11696	End	12998
GI	none	Score	.55
Exons	11696..11745, 12479..12522, 12555..12703, 12750..12998		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63838	Strand	+
Start	9988	End	15955
Name	OJ990519_30.9A20.C3.o6.gs	Method	GENSCAN
Start	13440	End	15734
GI	none	Score	.74
Exons	13440..15734		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63839	Strand	-
Start	4758	End	5978
Name	OJ990519_30.9A20.C3.o2.gs	Method	GENSCAN
Start	4758	End	5972
GI	none	Score	.95
Exons	4758..5972		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63839	Strand	-
Start	4758	End	5978
Name	OJ990519_30.9A20.C3.o1.np	Method	AAT/NAP
Start	4779	End	5978
GI	6006371	Score	1034
Exons	4779..5978		
GI Descrip.	(AP000559) Similar to hypothetical protein - potato (S31196) [Oryza sativa]		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63840	Strand	-
Start	9960	End	10740
Name	OJ990519_30.9A20.C3.o5.tw	Method	TBLASTX:Wheat
Start	4918	End	5175
GI	none	Score	144
Exons	4918..5073, 4924..5175, 4935..5174		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63840	Strand	-
Start	9960	End	10740
Name	OJ990519_30.9A20.C3.o2.tc	Method	TBLASTX:Cress
Start	4926	End	5193
GI	none	Score	133
Exons	4926..5066, 4936..5067, 5070..5192, 5092..5193		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63840	Strand	-

Start	9960	End	10740
Name	OJ990519_30.9A20.C3.o2.tm	Method	TBLASTX:Maize
Start	4932	End	5606
GI	none	Score	253
Exons	4932..5192, 4936..5193, 5241..5300, 5310..5606, 5365..5577		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63840	Strand	-
Start	9960	End	10740
Name	OJ990519_30.9A20.C3.o1.ts	Method	TBLASTX:Soybean
Start	4935	End	5897
GI	none	Score	123
Exons	4935..5192, 4942..5070, 5098..5193, 5241..5300, 5310..5606, 5365..5577, 5614..5655, 5619..5897		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63840	Strand	-
Start	9960	End	10740
Name	OJ990519_30.9A20.C3.o1.tc	Method	TBLASTX:Cress
Start	5256	End	5900
GI	none	Score	117
Exons	5256..5297, 5310..5609, 5365..5577, 5598..5900, 5614..5676		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63840	Strand	-
Start	9960	End	10740
Name	OJ990519_30.9A20.C3.o2.tw	Method	TBLASTX:Wheat
Start	5490	End	5897
GI	none	Score	56
Exons	5490..5612, 5503..5580, 5616..5714, 5617..5712, 5694..5897		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63840	Strand	-
Start	9960	End	10740
Name	OJ990519_30.9A20.C3.o5.tm	Method	TBLASTX:Maize
Start	5610	End	5897
GI	none	Score	174
Exons	5610..5711, 5694..5897		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63840	Strand	-
Start	9960	End	10740
Name	OJ990519_30.9A20.C3.o6.tw	Method	TBLASTX:Wheat
Start	9909	End	10271
GI	none	Score	124
Exons	9909..9947, 9951..10004, 10020..10118, 10119..10271		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63840	Strand	-
Start	9960	End	10740
Name	OJ990519_30.9A20.C3.o4.gs	Method	GENSCAN
Start	9960	End	10690
GI	none	Score	.71
Exons	9960..10399, 10447..10690		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63840	Strand	-

Start	9960	End	10740
Name	OJ990519_30.9A20.C3.o3.np	Method	AAT/NAP
Start	10032	End	10740
GI	4680180	Score	651
Exons	10032..10740		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63840	Strand	-
Start	9960	End	10740
Name	OJ990519_30.9A20.C3.o3.tm	Method	TBLASTX:Maize
Start	10281	End	10697
GI	none	Score	51
Exons	10281..10355, 10282..10353, 10356..10424, 10442..10696, 10443..10697		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63840	Strand	-
Start	9960	End	10740
Name	OJ990519_30.9A20.C3.o3.tw	Method	TBLASTX:Wheat
Start	10433	End	10699
GI	none	Score	149
Exons	10433..10699, 10440..10697		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63841	Strand	
Start	13530	End	14861
Name	OJ990519_30.9A20.C3.o8.tw	Method	TBLASTX:Wheat
Start	13530	End	13865
GI	none	Score	143
Exons	13530..13733, 13791..13865		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63841	Strand	
Start	13530	End	14861
Name	OJ990519_30.9A20.C3.o1.tm	Method	TBLASTX:Maize
Start	13608	End	14573
GI	none	Score	374
Exons	13608..14051, 13622..14044, 14061..14552, 14067..14393, 14069..14548, 14544..14573		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63841	Strand	
Start	13530	End	14861
Name	OJ990519_30.9A20.C3.o4.tw	Method	TBLASTX:Wheat
Start	13902	End	14228
GI	none	Score	154
Exons	13902..14054, 13907..14053, 14076..14228, 14091..14225		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63841	Strand	
Start	13530	End	14861
Name	OJ990519_30.9A20.C3.o2.ts	Method	TBLASTX:Soybean
Start	14157	End	14717
GI	none	Score	234
Exons	14157..14507, 14171..14458, 14499..14717, 14519..14659		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63841	Strand	
Start	13530	End	14861
Name	OJ990519_30.9A20.C3.o1.tw	Method	TBLASTX:Wheat
Start	14306	End	14861
GI	none	Score	384
Exons	14306..14737, 14307..14738, 14733..14861		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63842	Strand	
Start	14763	End	15224
Name	OJ990519_30.9A20.C3.o4.tm	Method	TBLASTX:Maize
Start	14763	End	15224
GI	none	Score	195
Exons	14763..15128, 15165..15224		

Seq. No.	30861	Seq. ID	OJ990519_30.9A20.C3
Gene No.	63843	Strand	
Start	15165	End	15566
Name	OJ990519_30.9A20.C3.o7.tw	Method	TBLASTX:Wheat
Start	15165	End	15566
GI	none	Score	211
Exons	15165..15566		

Seq. No.	30862	Seq. ID	OJ990519_30.9A20.C4
Gene No.	63844	Strand	+
Start	1395	End	5699
Name	OJ990519_30.9A20.C4.o1.gs	Method	GENSCAN
Start	1395	End	5597
GI	none	Score	.63
Exons	1395..1541, 3000..3095, 3241..3382, 3453..3557, 4182..4383, 5585..5597		

Seq. No.	30862	Seq. ID	OJ990519_30.9A20.C4
Gene No.	63844	Strand	+
Start	1395	End	5699
Name	OJ990519_30.9A20.C4.o1.np	Method	AAT/NAP
Start	3241	End	5699
GI	3550985	Score	214
Exons	3241..3366, 3453..3557, 5585..5699		
GI Descrip.	(AB010740) OsS5a [Oryza sativa]		

Seq. No.	30863	Seq. ID	OJ990519_30.9A20.C5
Gene No.	63845	Strand	+
Start	141	End	915
Name	OJ990519_30.9A20.C5.o1.gs	Method	GENSCAN
Start	141	End	915
GI	none	Score	.58
Exons	141..393, 468..915		

Seq. No.	30863	Seq. ID	OJ990519_30.9A20.C5
Gene No.	63846	Strand	+
Start	2887	End	3129
Name	OJ990519_30.9A20.C5.o1.gp	Method	AAT/GAP
Start	2887	End	3129
GI	2798018	Score	478
Exons	2887..3129		

Seq. No.	30864	Seq. ID	OJ990519_30.9A20.C6
Gene No.	63847	Strand	+
Start	1286	End	7636
Name	OJ990519_30.9A20.C6.o1.np	Method	AAT/NAP
Start	1286	End	4329
GI	3550985	Score	73
Exons	1286..1302, 2589..2753, 2842..3015, 4260..4329		
GI Descrip.	(AB010740) OsS5a [Oryza sativa]		

Seq. No.	30864	Seq. ID	OJ990519_30.9A20.C6
Gene No.	63847	Strand	+
Start	1286	End	7636
Name	OJ990519_30.9A20.C6.o1.gs	Method	GENSCAN
Start	2075	End	7636
GI	none	Score	.77
Exons	2075..2145, 2591..2608, 2865..3015, 4166..4252, 4585..4708, 5479..5607, 6411..6592, 6669..6832, 7252..7384, 7475..7636		

Seq. No.	30864	Seq. ID	OJ990519_30.9A20.C6
Gene No.	63847	Strand	+
Start	1286	End	7636
Name	OJ990519_30.9A20.C6.o1.tw	Method	TBLASTX:Wheat
Start	4214	End	4447
GI	none	Score	219
Exons	4214..4447		

Seq. No.	30865	Seq. ID	OJ990519_30.9A20.C7
Gene No.	63848	Strand	+
Start	80	End	379
Name	OJ990519_30.9A20.C7.o1.gs	Method	GENSCAN
Start	80	End	379
GI	none	Score	.84
Exons	80..379		

Seq. No.	30865	Seq. ID	OJ990519_30.9A20.C7
Gene No.	63849	Strand	-
Start	882	End	1751
Name	OJ990519_30.9A20.C7.o2.gs	Method	GENSCAN
Start	882	End	1751
GI	none	Score	.75
Exons	882..1023, 1517..1751		

Seq. No.	30866	Seq. ID	OJ990519_30.9A20.C8
Gene No.	63850	Strand	+
Start	119	End	3221
Name	OJ990519_30.9A20.C8.o1.gs	Method	GENSCAN
Start	119	End	3221
GI	none	Score	.64
Exons	119..247, 2251..3000, 3087..3221		

Seq. No.	30866	Seq. ID	OJ990519_30.9A20.C8
Gene No.	63851	Strand	-
Start	3790	End	4647
Name	OJ990519_30.9A20.C8.o2.gs	Method	GENSCAN
Start	3790	End	4647
GI	none	Score	.94

Exons	3790..4030, 4598..4647		
Seq. No.	30867	Seq. ID	OJ990519_30.9A20.C9
Gene No.	63852	Strand	-
Start	6934	End	8591
Name	OJ990519_30.9A20.C9.o2.np	Method	AAT/NAP
Start	6934	End	8591
GI	6688926	Score	113
Exons	6934..7041, 7511..7613, 8481..8591		
GI Descrip.	(AJ251365) VAP27 [Nicotiana plumbaginifolia]		
Seq. No.	30868	Seq. ID	OJ990519_30.9A20.C10
Gene No.	63853	Strand	+
Start	1	End	5493
Name	OJ990519_30.9A20.C10.o1.np	Method	AAT/NAP
Start	1	End	5493
GI	3292822	Score	66
Exons	1..22, 1434..1486, 3360..3556, 5458..5493		
GI Descrip.	(AL031018) putative protein [Arabidopsis thaliana]		
Seq. No.	30868	Seq. ID	OJ990519_30.9A20.C10
Gene No.	63854	Strand	+
Start	10312	End	11842
Name	OJ990519_30.9A20.C10.o3.gs	Method	GENSCAN
Start	10312	End	11842
GI	none	Score	.87
Exons	10312..10358, 10727..10931, 11579..11842		
Seq. No.	30868	Seq. ID	OJ990519_30.9A20.C10
Gene No.	63855	Strand	+
Start	12273	End	12435
Name	OJ990519_30.9A20.C10.o1.gp	Method	AAT/GAP
Start	12273	End	12435
GI	5455363	Score	104
Exons	12273..12346, 12410..12435		
GI Descrip.	3176667 1.0e-17 (AC004393) Similar to hypothetical 41.9KD protein gb_1001369 from sequence of Synechocystis sp. gb_D64006. [Arabidopsis thaliana]		
Seq. No.	30868	Seq. ID	OJ990519_30.9A20.C10
Gene No.	63856	Strand	-
Start	5168	End	8391
Name	OJ990519_30.9A20.C10.o2.gs	Method	GENSCAN
Start	5168	End	8391
GI	none	Score	.65
Exons	5168..5275, 6706..7502, 8256..8391		
Seq. No.	30868	Seq. ID	OJ990519_30.9A20.C10
Gene No.	63857	Strand	-
Start	13098	End	15117
Name	OJ990519_30.9A20.C10.o3.tm	Method	TBLASTX:Maize
Start	2215	End	2508
GI	none	Score	94
Exons	2215..2316, 2321..2464, 2338..2508, 2348..2473		
Seq. No.	30868	Seq. ID	OJ990519_30.9A20.C10
Gene No.	63857	Strand	-

Start	13098	End	15117
Name	OJ990519_30.9A20.C10.o2.tw	Method	TBLASTX:Wheat
Start	5427	End	5789
GI	none	Score	83
Exons	5427..5546, 5430..5582, 5431..5652, 5456..5608, 5598..5789		

Seq. No.	30868	Seq. ID	OJ990519_30.9A20.C10
Gene No.	63857	Strand	-
Start	13098	End	15117
Name	OJ990519_30.9A20.C10.o2.tm	Method	TBLASTX:Maize
Start	5514	End	5985
GI	none	Score	71
Exons	5514..5546, 5518..5595, 5613..5984, 5767..5985		

Seq. No.	30868	Seq. ID	OJ990519_30.9A20.C10
Gene No.	63857	Strand	-
Start	13098	End	15117
Name	OJ990519_30.9A20.C10.o1.tm	Method	TBLASTX:Maize
Start	6235	End	7152
GI	none	Score	67
Exons	6235..6909, 6307..6459, 6584..6664, 6707..6910, 6922..7020, 6922..7152, 6926..7129		

Seq. No.	30868	Seq. ID	OJ990519_30.9A20.C10
Gene No.	63857	Strand	-
Start	13098	End	15117
Name	OJ990519_30.9A20.C10.o1.tw	Method	TBLASTX:Wheat
Start	6790	End	7098
GI	none	Score	55
Exons	6790..6915, 6824..6910, 6916..7098, 6917..7066		

Seq. No.	30868	Seq. ID	OJ990519_30.9A20.C10
Gene No.	63857	Strand	-
Start	13098	End	15117
Name	OJ990519_30.9A20.C10.o4.tm	Method	TBLASTX:Maize
Start	7237	End	7411
GI	none	Score	98
Exons	7237..7410, 7243..7398, 7316..7411		

Seq. No.	30868	Seq. ID	OJ990519_30.9A20.C10
Gene No.	63857	Strand	-
Start	13098	End	15117
Name	OJ990519_30.9A20.C10.o4.gs	Method	GENSCAN
Start	13098	End	15117
GI	none	Score	.82
Exons	13098..13450, 14459..14646, 14745..14858, 15062..15117		

Seq. No.	30869	Seq. ID	OJ990519_30.9A20.C11
Gene No.	63858	Strand	+
Start	843	End	1176
Name	OJ990519_30.9A20.C11.o2.gp	Method	AAT/GAP
Start	843	End	1176
GI	92678_1.R1084	Score	357
Exons	843..880, 956..1176		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 9.0e-67 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	30869	Seq. ID	OJ990519_30.9A20.C11
Gene No.	63859	Strand	+
Start	1932	End	6172
Name	OJ990519_30.9A20.C11.o1.gs	Method	GENSCAN
Start	1932	End	6172
GI	none	Score	.73
Exons	1932..2120, 3317..5740, 6048..6172		

Seq. No.	30869	Seq. ID	OJ990519_30.9A20.C11
Gene No.	63859	Strand	+
Start	1932	End	6172
Name	OJ990519_30.9A20.C11.o1.np	Method	AAT/NAP
Start	3337	End	5368
GI	2852684	Score	770
Exons	3337..5368		
GI Descrip.	(AF017751) resistance protein candidate [Lactuca sativa]		

Seq. No.	30869	Seq. ID	OJ990519_30.9A20.C11
Gene No.	63860	Strand	+
Start	6191	End	6442
Name	OJ990519_30.9A20.C11.o3.gp	Method	AAT/GAP
Start	6191	End	6442
GI	5004140	Score	472
Exons	6191..6442		

Seq. No.	30869	Seq. ID	OJ990519_30.9A20.C11
Gene No.	63861	Strand	-
Start	9634	End	10952
Name	OJ990519_30.9A20.C11.o1.ts	Method	TBLASTX:Soybean
Start	4129	End	4848
GI	none	Score	50
Exons	4129..4206, 4213..4389, 4402..4485, 4564..4716, 4732..4848		

Seq. No.	30869	Seq. ID	OJ990519_30.9A20.C11
Gene No.	63861	Strand	-
Start	9634	End	10952
Name	OJ990519_30.9A20.C11.o2.tm	Method	TBLASTX:Maize
Start	4318	End	4788
GI	none	Score	199
Exons	4318..4788		

Seq. No.	30869	Seq. ID	OJ990519_30.9A20.C11
Gene No.	63861	Strand	-
Start	9634	End	10952
Name	OJ990519_30.9A20.C11.o1.tw	Method	TBLASTX:Wheat
Start	8532	End	8763
GI	none	Score	60
Exons	8532..8726, 8562..8711, 8596..8763		

Seq. No.	30869	Seq. ID	OJ990519_30.9A20.C11
Gene No.	63861	Strand	-
Start	9634	End	10952
Name	OJ990519_30.9A20.C11.o1.tm	Method	TBLASTX:Maize
Start	9014	End	9358
GI	none	Score	70
Exons	9014..9070, 9068..9196, 9126..9197, 9179..9358, 9180..9356		

Seq. No.	30869	Seq. ID	OJ990519_30.9A20.C11
Gene No.	63861	Strand	-
Start	9634	End	10952
Name	OJ990519_30.9A20.C11.o3.np	Method	AAT/NAP
Start	9149	End	9400
GI	2462640	Score	303
Exons	9149..9400		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	30869	Seq. ID	OJ990519_30.9A20.C11
Gene No.	63861	Strand	-
Start	9634	End	10952
Name	OJ990519_30.9A20.C11.o2.gs	Method	GENSCAN
Start	9634	End	10952
GI	none	Score	.8
Exons	9634..9761, 10221..10544, 10603..10841, 10885..10952		

Seq. No.	30869	Seq. ID	OJ990519_30.9A20.C11
Gene No.	63861	Strand	-
Start	9634	End	10952
Name	OJ990519_30.9A20.C11.o3.tm	Method	TBLASTX:Maize
Start	9810	End	10312
GI	none	Score	61
Exons	9810..9974, 9810..9857, 9823..9939, 9885..10100, 9909..10010, 10007..10102, 10008..10100, 10106..10312, 10106..10312		

Seq. No.	30870	Seq. ID	OJ990519_30.9A20.C12
Gene No.	63862	Strand	-
Start	3010	End	11121
Name	OJ990519_30.9A20.C12.o1.gs	Method	GENSCAN
Start	3010	End	8922
GI	none	Score	.64
Exons	3010..3438, 6280..6312, 6317..6394, 6541..6639, 7187..7594, 8061..8348, 8439..8739, 8753..8922		

Seq. No.	30870	Seq. ID	OJ990519_30.9A20.C12
Gene No.	63862	Strand	-
Start	3010	End	11121
Name	OJ990519_30.9A20.C12.o1.np	Method	AAT/NAP
Start	4775	End	11121
GI	322755	Score	77
Exons	4775..4983, 6315..6410, 6729..6790, 10671..10720, 11026..11121		
GI Descrip.	pistil extensin-like protein (clone pMG04) - common tobacco (fragment) gi|19919|emb|CAA78398| (Z14020) Pistil extensin like protein, partial CDS only [Nicotiana tabacum]		

Seq. No.	30870	Seq. ID	OJ990519_30.9A20.C12
Gene No.	63863	Strand	-
Start	13457	End	13767
Name	OJ990519_30.9A20.C12.o2.np	Method	AAT/NAP
Start	13457	End	13767
GI	6539588	Score	233
Exons	13457..13767		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	30870	Seq. ID	OJ990519_30.9A20.C12
Gene No.	63864	Strand	-

Start	13943	End	14398
Name	OJ990519_30.9A20.C12.o1.gp	Method	AAT/GAP
Start	13943	End	14398
GI	4968598	Score	783
Exons	13943..14398		

Seq. No.	30870	Seq. ID	OJ990519_30.9A20.C12
Gene No.	63865	Strand	
Start	19230	End	19770
Name	OJ990519_30.9A20.C12.o1.tm	Method	TBLASTX:Maize
Start	19230	End	19578
GI	none	Score	197
Exons	19230..19316, 19320..19556, 19321..19521, 19342..19578		

Seq. No.	30870	Seq. ID	OJ990519_30.9A20.C12
Gene No.	63865	Strand	
Start	19230	End	19770
Name	OJ990519_30.9A20.C12.o1.ts	Method	TBLASTX:Soybean
Start	19350	End	19770
GI	none	Score	93
Exons	19350..19535, 19372..19515, 19524..19760, 19525..19770		

Seq. No.	30870	Seq. ID	OJ990519_30.9A20.C12
Gene No.	63865	Strand	
Start	19230	End	19770
Name	OJ990519_30.9A20.C12.o1.tw	Method	TBLASTX:Wheat
Start	19353	End	19727
GI	none	Score	98
Exons	19353..19727, 19369..19482		

Seq. No.	30871	Seq. ID	OJ990519_30.9A20.C13
Gene No.	63866	Strand	-
Start	1	End	652
Name	OJ990519_30.9A20.C13.o1.np	Method	AAT/NAP
Start	1	End	652
GI	4335720	Score	258
Exons	1..652		
GI Descrip.	(AC006248) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	30871	Seq. ID	OJ990519_30.9A20.C13
Gene No.	63866	Strand	-
Start	1	End	652
Name	OJ990519_30.9A20.C13.o1.gs	Method	GENSCAN
Start	68	End	568
GI	none	Score	.6
Exons	68..568		

Seq. No.	30871	Seq. ID	OJ990519_30.9A20.C13
Gene No.	63866	Strand	-
Start	1	End	652
Name	OJ990519_30.9A20.C13.o1.tm	Method	TBLASTX:Maize
Start	95	End	487
GI	none	Score	64
Exons	95..331, 377..487		

Seq. No.	30872	Seq. ID	OJ990519_30.9A20.C14

Gene No.	63867	Strand	+
Start	35	End	91
Name	OJ990519_30.9A20.C14.o1.gs	Method	GENSCAN
Start	35	End	91
GI	none	Score	.95
Exons	35..91		

Seq. No.	30873	Seq. ID	OJ990519_30.9A20.C15
Gene No.	63868	Strand	+
Start	43	End	265
Name	OJ990519_30.9A20.C15.o1.gp	Method	AAT/GAP
Start	43	End	265
GI	4968598	Score	259
Exons	43..265		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63869	Strand	+
Start	304	End	2646
Name	OJ990529_36.9A05.C1.o1.gs	Method	GENSCAN
Start	304	End	2646
GI	none	Score	.95
Exons	304..435, 1416..1941, 2027..2646		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63869	Strand	+
Start	304	End	2646
Name	OJ990529_36.9A05.C1.o1.np	Method	AAT/NAP
Start	1508	End	2589
GI	6560771	Score	850
Exons	1508..1941, 2027..2589		
GI Descrip.	(AC010155) F3M18.4 [Arabidopsis thaliana]		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63870	Strand	+
Start	5392	End	12309
Name	OJ990529_36.9A05.C1.o2.gs	Method	GENSCAN
Start	5392	End	12309
GI	none	Score	.53
Exons	5392..5517, 6194..6508, 7643..7732, 7817..7900, 8056..8090, 8179..8264, 9019..9084, 10233..10329, 11848..11950, 12175..12309		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63870	Strand	+
Start	5392	End	12309
Name	OJ990529_36.9A05.C1.o3.gp	Method	AAT/GAP
Start	6266	End	9693
GI	3084_1.R1084	Score	1571
Exons	6266..6444, 7182..7219, 7643..7732, 7817..7900, 8056..8090, 8179..8264, 9019..9084, 9390..9693		
GI Descrip.	'3746071 9.0e-43 (AC005311) putative GTP-binding protein [Arabidopsis thaliana]'		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63871	Strand	+
Start	19033	End	25240
Name	OJ990529_36.9A05.C1.o3.np	Method	AAT/NAP
Start	19033	End	21492

GI	4587596	Score	346
Exons	19033..19118, 19854..19997, 21147..21248, 21342..21492		
GI Descrip.	(AC006951) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63871	Strand	+
Start	19033	End	25240
Name	OJ990529_36.9A05.C1.o4.gs	Method	GENSCAN
Start	19756	End	25240
GI	none	Score	.89
Exons	19756..19906, 19956..20002, 21340..21445, 21530..21747, 22536..22614, 23624..23736, 24468..24503, 24539..24765, 25024..25240		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63871	Strand	+
Start	19033	End	25240
Name	OJ990529_36.9A05.C1.o4.np	Method	AAT/NAP
Start	19867	End	25075
GI	1552759	Score	228
Exons	19867..19997, 21147..21246, 21340..21463, 21563..21745, 22267..22307, 23497..23720, 24532..24809, 25005..25075		
GI Descrip.	(U70214) lipid A disaccharide synthase [Escherichia coli] gi|1786379 (AE000127) tetraacyldisaccharide-1-P; lipid A biosynthesis, penultimate step [Escherichia coli]		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63872	Strand	+
Start	26724	End	29133
Name	OJ990529_36.9A05.C1.o6.gs	Method	GENSCAN
Start	26724	End	29133
GI	none	Score	.84
Exons	26724..26870, 27080..27435, 27658..27684, 28866..29133		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63873	Strand	-
Start	1414	End	1715
Name	OJ990529_36.9A05.C1.o1.gp	Method	AAT/GAP
Start	1414	End	1715
GI	2312036	Score	534
Exons	1414..1715		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63874	Strand	-
Start	2207	End	3040
Name	OJ990529_36.9A05.C1.o2.gp	Method	AAT/GAP
Start	2207	End	3040
GI	none	Score	1622
Exons	2207..3040		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63875	Strand	-
Start	12225	End	19457
Name	OJ990529_36.9A05.C1.o2.np	Method	AAT/NAP
Start	12225	End	19457
GI	3746071	Score	2051
Exons	12225..12305, 13036..13086, 13378..13461, 13539..13589,		

13678..13764, 14001..14050, 14185..14258, 14411..14535,
14634..14688, 14958..15021, 15188..15311, 16437..16535,
16614..16739, 16875..17012, 17450..17622, 17702..17761,
18327..18477, 18580..18654, 19128..19457

GI Descrip. (AC005311) putative GTP-binding protein [Arabidopsis thaliana]

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63875	Strand	-
Start	12225	End	19457
Name	OJ990529_36.9A05.C1.o3.gs	Method	GENSCAN
Start	13126	End	19457
GI	none	Score	.8
Exons	13126..13140, 13378..13461, 13539..13589, 13678..13764, 14001..14050, 14185..14258, 14411..14535, 14634..14688, 14958..15021, 15188..15311, 16437..16535, 16614..16769, 16875..17012, 17450..17622, 17702..17770, 18327..18477, 19128..19457		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63875	Strand	-
Start	12225	End	19457
Name	OJ990529_36.9A05.C1.o4.gp	Method	AAT/GAP
Start	15259	End	16975
GI	2310237	Score	679
Exons	15259..15311, 16437..16535, 16614..16739, 16875..16975		
GI Descrip.	3746071 9.0e-43 (AC005311) putative GTP-binding protein [Arabidopsis thaliana]		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63876	Strand	-
Start	25532	End	27453
Name	OJ990529_36.9A05.C1.o1.tm	Method	TBLASTX:Maize
Start	1413	End	2436
GI	none	Score	760
Exons	1413..1958, 1418..1939, 1500..1940, 2025..2435, 2026..2436		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63876	Strand	-
Start	25532	End	27453
Name	OJ990529_36.9A05.C1.o2.ts	Method	TBLASTX:Soybean
Start	1629	End	1886
GI	none	Score	167
Exons	1629..1790, 1658..1789, 1781..1885, 1782..1886		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63876	Strand	-
Start	25532	End	27453
Name	OJ990529_36.9A05.C1.o1.ts	Method	TBLASTX:Soybean
Start	1886	End	2631
GI	none	Score	94
Exons	1886..1972, 1887..1943, 1897..1944, 2001..2288, 2005..2448, 2008..2328, 2013..2447, 2530..2631		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63876	Strand	-
Start	25532	End	27453
Name	OJ990529_36.9A05.C1.o2.tm	Method	TBLASTX:Maize

Start	2436	End	2758
GI	none	Score	293
Exons	2436..2639, 2437..2646, 2645..2719, 2659..2727, 2666..2758		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63876	Strand	-
Start	25532	End	27453
Name	OJ990529_36.9A05.C1.o4.tm	Method	TBLASTX:Maize
Start	12126	End	14530
GI	none	Score	88
Exons	12126..12143, 12174..12242, 12239..12319, 12240..12323, 13034..13087, 13035..13082, 13036..13086, 13998..14051, 13998..14051, 14002..14052, 14003..14077, 14184..14258, 14186..14260, 14190..14261, 14378..14530, 14395..14529		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63876	Strand	-
Start	25532	End	27453
Name	OJ990529_36.9A05.C1.o3.tm	Method	TBLASTX:Maize
Start	13352	End	13759
GI	none	Score	135
Exons	13352..13456, 13365..13472, 13372..13464, 13375..13500, 13533..13613, 13537..13614, 13541..13615, 13678..13758, 13679..13759		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63876	Strand	-
Start	25532	End	27453
Name	OJ990529_36.9A05.C1.o6.tm	Method	TBLASTX:Maize
Start	14632	End	15327
GI	none	Score	68
Exons	14632..14688, 14634..14681, 14955..15023, 14957..15022, 15185..15250, 15186..15323, 15186..15326, 15232..15327		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63876	Strand	-
Start	25532	End	27453
Name	OJ990529_36.9A05.C1.o3.ts	Method	TBLASTX:Soybean
Start	16443	End	17633
GI	none	Score	119
Exons	16443..16595, 16444..16527, 16611..16742, 16627..16740, 16872..17012, 16873..17013, 16874..17014, 17438..17632, 17448..17633		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63876	Strand	-
Start	25532	End	27453
Name	OJ990529_36.9A05.C1.o7.tm	Method	TBLASTX:Maize
Start	16693	End	17500
GI	none	Score	66
Exons	16693..16740, 16693..16740, 16865..17014, 16876..17013, 17438..17500, 17448..17498		

Seq. No.	30874	Seq. ID	OJ990529 36.9A05.C1
Gene No.	63876	Strand	-
Start	25532	End	27453
Name	OJ990529_36.9A05.C1.o5.tm	Method	TBLASTX:Maize

Start	17501	End	18470
GI	none	Score	162
Exons	17501..17632, 17505..17633, 17701..17772, 17703..17777, 17704..17781, 18327..18398, 18328..18399, 18329..18409, 18417..18470		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63876	Strand	-
Start	25532	End	27453
Name	OJ990529_36.9A05.C1.o1.tc	Method	TBLASTX:Cress
Start	19122	End	19292
GI	none	Score	167
Exons	19122..19292, 19123..19272, 19137..19292		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63876	Strand	-
Start	25532	End	27453
Name	OJ990529_36.9A05.C1.o5.gs	Method	GENSCAN
Start	25532	End	25827
GI	none	Score	.57
Exons	25532..25582, 25672..25827		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63876	Strand	-
Start	25532	End	27453
Name	OJ990529_36.9A05.C1.o5.np	Method	AAT/NAP
Start	25600	End	27273
GI	5281024	Score	262
Exons	25600..25728, 26778..27273		
GI Descrip.	(Z97343) EREBP-2 protein [Arabidopsis thaliana]		

Seq. No.	30874	Seq. ID	OJ990529_36.9A05.C1
Gene No.	63876	Strand	-
Start	25532	End	27453
Name	OJ990529_36.9A05.C1.o5.gp	Method	AAT/GAP
Start	27094	End	27453
GI	LIB3433-061-P1-K1-C8	Score	623
Exons	27094..27453		
GI Descrip.	'4567311/gb|AAD23722.1|AC005956_11 7.0e-09 (AC005956) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	30875	Seq. ID	OJ990529_36.9A05.C2
Gene No.	63877	Strand	+
Start	269	End	6176
Name	OJ990529_36.9A05.C2.o1.gs	Method	GENSCAN
Start	269	End	5863
GI	none	Score	.71
Exons	269..323, 1249..1413, 1484..1606, 2261..2356, 2510..2728, 2819..2926, 4546..4712, 4818..4933, 5030..5093, 5588..5863		

Seq. No.	30875	Seq. ID	OJ990529_36.9A05.C2
Gene No.	63877	Strand	+
Start	269	End	6176
Name	OJ990529_36.9A05.C2.o1.np	Method	AAT/NAP
Start	596	End	4271
GI	4567311	Score	288
Exons	596..633, 1485..1606, 2261..2356, 2510..2586, 4225..4271		

GI Descrip. (AC005956) unknown protein [Arabidopsis thaliana]

Seq. No.	30875	Seq. ID	OJ990529_36.9A05.C2
Gene No.	63877	Strand	+
Start	269	End	6176
Name	OJ990529_36.9A05.C2.o2.tm	Method	TBLASTX:Maize
Start	1286	End	2325
GI	none	Score	74
Exons	1286..1408, 1491..1565, 1491..1595, 1492..1608, 1492..1605, 2256..2318, 2257..2325		

Seq. No.	30875	Seq. ID	OJ990529_36.9A05.C2
Gene No.	63877	Strand	+
Start	269	End	6176
Name	OJ990529_36.9A05.C2.o1.gp	Method	AAT/GAP
Start	1296	End	2655
GI	2427845	Score	575
Exons	1296..1413, 1493..1603, 2259..2357, 2570..2655		
GI Descrip.	4567311/gb|AAD23722.1|AC005956_11 7.0e-09 (AC005956) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	30875	Seq. ID	OJ990529_36.9A05.C2
Gene No.	63877	Strand	+
Start	269	End	6176
Name	OJ990529_36.9A05.C2.o2.gp	Method	AAT/GAP
Start	4640	End	6176
GI	624_3.R1084	Score	1624
Exons	4640..4712, 4818..4933, 5030..5093, 5588..6176		
GI Descrip.	'3128228 3.0e-92 (AC004077) putative ribosomal protein L18A [Arabidopsis thaliana] >gi_3337376 (AC004481) putative ribosomal protein L18A [Arabidopsis thaliana]'		

Seq. No.	30875	Seq. ID	OJ990529_36.9A05.C2
Gene No.	63877	Strand	+
Start	269	End	6176
Name	OJ990529_36.9A05.C2.o1.tc	Method	TBLASTX:Cress
Start	4757	End	5935
GI	none	Score	184
Exons	4757..4936, 4815..4934, 4871..4936, 5018..5089, 5018..5092, 5031..5111, 5079..5114, 5571..5732, 5585..5935, 5587..5928		

Seq. No.	30875	Seq. ID	OJ990529_36.9A05.C2
Gene No.	63877	Strand	+
Start	269	End	6176
Name	OJ990529_36.9A05.C2.o2.np	Method	AAT/NAP
Start	4803	End	5926
GI	3128228	Score	772
Exons	4803..4933, 5030..5093, 5588..5926		
GI Descrip.	(AC004077) 60S ribosomal protein L18A [Arabidopsis thaliana]		

Seq. No.	30875	Seq. ID	OJ990529_36.9A05.C2
Gene No.	63877	Strand	+
Start	269	End	6176
Name	OJ990529_36.9A05.C2.o1.tm	Method	TBLASTX:Maize
Start	4808	End	5934
GI	none	Score	210
Exons	4808..4936, 4809..4934, 4871..4936, 5024..5092, 5030..5092,		

5031..5111, 5585..5929, 5585..5929, 5587..5934, 5602..5931

Seq. No.	30875	Seq. ID	OJ990529_36.9A05.C2
Gene No.	63877	Strand	+
Start	269	End	6176
Name	OJ990529_36.9A05.C2.o1.tw	Method	TBLASTX:Wheat
Start	4808	End	5731
GI	none	Score	202
Exons	4808..4936, 4809..4934, 4874..4936, 5024..5092, 5030..5092, 5031..5111, 5571..5729, 5585..5731, 5585..5728, 5587..5730		

Seq. No.	30875	Seq. ID	OJ990529_36.9A05.C2
Gene No.	63877	Strand	+
Start	269	End	6176
Name	OJ990529_36.9A05.C2.o1.ts	Method	TBLASTX:Soybean
Start	4808	End	5937
GI	none	Score	206
Exons	4808..4936, 4809..4934, 4818..4946, 4877..4936, 5018..5092, 5031..5111, 5585..5929, 5587..5937, 5587..5934		

Seq. No.	30876	Seq. ID	OJ990529_36.9A05.C3
Gene No.	63878	Strand	+
Start	1	End	861
Name	OJ990529_36.9A05.C3.o1.np	Method	AAT/NAP
Start	1	End	861
GI	479357	Score	647
Exons	1..861		
GI Descrip.	hypothetical protein 612 - maize transposon MuA2 gi|22375|emb|CAA44165| (X62251) ORF [Zea mays]		

Seq. No.	30876	Seq. ID	OJ990529_36.9A05.C3
Gene No.	63878	Strand	+
Start	1	End	861
Name	OJ990529_36.9A05.C3.o2.tm	Method	TBLASTX:Maize
Start	130	End	420
GI	none	Score	129
Exons	130..276, 165..260, 281..391, 283..420		

Seq. No.	30876	Seq. ID	OJ990529_36.9A05.C3
Gene No.	63878	Strand	+
Start	1	End	861
Name	OJ990529_36.9A05.C3.o1.tm	Method	TBLASTX:Maize
Start	425	End	857
GI	none	Score	279
Exons	425..709, 427..690, 703..810, 704..835, 711..857		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63879	Strand	+
Start	60	End	1577
Name	OJ990529_36.9A05.C4.o1.gp	Method	AAT/GAP
Start	60	End	1577
GI	53_1.R1084	Score	2449
Exons	60..857, 996..1127, 1213..1577		
GI Descrip.	'2992160/dbj|BAA25325| 1.0e-116 (AB012392) MuDR-like element [Oryza sativa]'		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4

Gene No.	63879	Strand	+
Start	60	End	1577
Name	OJ990529_36.9A05.C4.o1.gs	Method	GENSCAN
Start	73	End	1031
GI	none	Score	.43
Exons	73..780, 996..1031		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63879	Strand	+
Start	60	End	1577
Name	OJ990529_36.9A05.C4.o1.np	Method	AAT/NAP
Start	385	End	1372
GI	2992160	Score	1279
Exons	385..857, 996..1127, 1213..1372		
GI Descrip.	(AB012392) MuDR-like element [Oryza sativa]		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63880	Strand	+
Start	3767	End	4054
Name	OJ990529_36.9A05.C4.o3.gs	Method	GENSCAN
Start	3767	End	4054
GI	none	Score	.93
Exons	3767..4054		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63881	Strand	+
Start	6445	End	15363
Name	OJ990529_36.9A05.C4.o5.gs	Method	GENSCAN
Start	6445	End	15363
GI	none	Score	.67
Exons	6445..6558, 7003..7085, 9303..9449, 9649..10726, 10778..10889, 10935..11168, 11244..11419, 13643..13713, 14006..14188, 15267..15363		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63881	Strand	+
Start	6445	End	15363
Name	OJ990529_36.9A05.C4.o2.np	Method	AAT/NAP
Start	8268	End	11704
GI	6735376	Score	1105
Exons	8268..8291, 9743..11704		
GI Descrip.	(AL137082) putative protein [Arabidopsis thaliana]		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63881	Strand	+
Start	6445	End	15363
Name	OJ990529_36.9A05.C4.o2.gp	Method	AAT/GAP
Start	10526	End	10956
GI	286328	Score	849
Exons	10526..10956		
GI Descrip.	5923669/gb|AAD56320.1|AC009326_7 2.0e-09 (AC009326) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63882	Strand	+
Start	17426	End	22152
Name	OJ990529_36.9A05.C4.o6.gs	Method	GENSCAN

Start	17426	End	21903
GI	none	Score	.45
Exons	17426..17553, 17649..17739, 18897..19169, 20518..21903		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63882	Strand	+
Start	17426	End	22152
Name	OJ990529_36.9A05.C4.o3.gp	Method	AAT/GAP
Start	18956	End	20779
GI	LIB3432-021-P1-K1-E6	Score	904
Exons	18956..19169, 20518..20779		
GI Descrip.	'3128209 7.0e-40 (AC004077) unknown protein [Arabidopsis thaliana]'		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63882	Strand	+
Start	17426	End	22152
Name	OJ990529_36.9A05.C4.o4.gp	Method	AAT/GAP
Start	21685	End	22152
GI	none	Score	862
Exons	21685..22152		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63883	Strand	+
Start	25643	End	31015
Name	OJ990529_36.9A05.C4.o3.np	Method	AAT/NAP
Start	25643	End	31015
GI	4206209	Score	5923
Exons	25643..26128, 26162..31015		
GI Descrip.	(AF071527) putative glucan synthase component [Arabidopsis thaliana] gi|4263042|gb|AAD15311| (AC005142) putative glucan synthase component [Arabidopsis thaliana]		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63883	Strand	+
Start	25643	End	31015
Name	OJ990529_36.9A05.C4.o8.gs	Method	GENSCAN
Start	25643	End	31015
GI	none	Score	1
Exons	25643..31015		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63884	Strand	+
Start	30970	End	32325
Name	OJ990529_36.9A05.C4.o5.gp	Method	AAT/GAP
Start	30970	End	32325
GI	none	Score	612
Exons	30970..31016, 32015..32325		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63885	Strand	+
Start	33470	End	37924
Name	OJ990529_36.9A05.C4.o6.gp	Method	AAT/GAP
Start	33358	End	35165
GI	24164_1.R1084	Score	1679
Exons	33358..33704, 34612..35165		
GI Descrip.	'2842486/emb|CAA16883.1| 3.0e-45 (AL021749) putative protein		

[Arabidopsis thaliana]'

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63885	Strand	+
Start	33470	End	37924
Name	OJ990529_36.9A05.C4.o4.np	Method	AAT/NAP
Start	33470	End	34796
GI	4056457	Score	447
Exons	33470..33704, 34612..34796		
GI Descrip.	(AC005990) ESTs gb|234051 and gb|F13722 come from this gene. [Arabidopsis thaliana]		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63885	Strand	+
Start	33470	End	37924
Name	OJ990529_36.9A05.C4.o9.gs	Method	GENSCAN
Start	33470	End	37924
GI	none	Score	.6
Exons	33470..33704, 34612..34795, 34827..34908, 37637..37924		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63886	Strand	+
Start	38010	End	39735
Name	OJ990529_36.9A05.C4.o10.gs	Method	GENSCAN
Start	38010	End	39735
GI	none	Score	.88
Exons	38010..38168, 38293..38526, 38630..38921, 39101..39735		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63886	Strand	+
Start	38010	End	39735
Name	OJ990529_36.9A05.C4.o5.np	Method	AAT/NAP
Start	38364	End	38462
GI	5777617	Score	88
Exons	38364..38462		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63887	Strand	-
Start	1213	End	2585
Name	OJ990529_36.9A05.C4.o2.gs	Method	GENSCAN
Start	1213	End	2585
GI	none	Score	.84
Exons	1213..1327, 1960..2585		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63888	Strand	-
Start	4152	End	5212
Name	OJ990529_36.9A05.C4.o4.gs	Method	GENSCAN
Start	4152	End	5212
GI	none	Score	.61
Exons	4152..4368, 5085..5212		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63889	Strand	-
Start	22993	End	23482
Name	OJ990529_36.9A05.C4.o7.gs	Method	GENSCAN

Start	22993	End	23482
GI	none	Score	.59
Exons	22993..23008, 23106..23482		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o6.tm	Method	TBLASTX:Maize
Start	7	End	690
GI	none	Score	227
Exons	7..327, 27..275, 388..558, 565..690		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o2.tc	Method	TBLASTX:Cress
Start	9812	End	11569
GI	none	Score	41
Exons	9812..9865, 9893..10168, 10152..10190, 10232..10456, 10296..10331, 10532..10651, 10925..11143, 11039..11500, 11107..11499, 11504..11569		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o14.tm	Method	TBLASTX:Maize
Start	9938	End	11413
GI	none	Score	98
Exons	9938..10168, 10238..10615, 10919..11197, 11201..11413, 11225..11398, 11237..11308		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o5.tw	Method	TBLASTX:Wheat
Start	9950	End	11541
GI	none	Score	122
Exons	9950..10168, 10133..10459, 10370..10645, 10411..10614, 10931..11173, 11237..11536, 11237..11536, 11251..11541		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o3.ts	Method	TBLASTX:Soybean
Start	10013	End	11637
GI	none	Score	74
Exons	10013..10168, 10313..10459, 11003..11173, 11297..11629, 11297..11629, 11317..11637		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o7.tm	Method	TBLASTX:Maize
Start	11414	End	11778
GI	none	Score	316
Exons	11414..11638, 11416..11637, 11707..11778, 11710..11778		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o4.tm	Method	TBLASTX:Maize
Start	17417	End	19184
GI	none	Score	139
Exons	17417..17512, 17422..17511, 17521..17556, 18895..19173, 18899..19180, 18900..19184		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o5.ts	Method	TBLASTX:Soybean
Start	17420	End	20582
GI	none	Score	89
Exons	17420..17512, 18874..19083, 18897..19136, 18897..19136, 19125..19184, 19139..19183, 20509..20580, 20517..20582		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o12.tm	Method	TBLASTX:Maize
Start	20515	End	20722
GI	none	Score	181
Exons	20515..20634, 20517..20663, 20521..20664, 20570..20635, 20608..20721, 20615..20722, 20630..20719, 20638..20721		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o10.tm	Method	TBLASTX:Maize
Start	20849	End	21166
GI	none	Score	72
Exons	20849..20920, 20850..20933, 20851..20934, 20934..21161, 20937..21041, 20942..21166		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o8.tm	Method	TBLASTX:Maize
Start	21687	End	21938
GI	none	Score	57
Exons	21687..21719, 21694..21726, 21694..21732, 21721..21882, 21723..21938, 21724..21891, 21726..21905, 21886..21912		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o6.tw	Method	TBLASTX:Wheat
Start	25880	End	26269
GI	none	Score	73
Exons	25880..25966, 26039..26107, 26165..26269, 26167..26265		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o3.tm	Method	TBLASTX:Maize

Start	26443	End	26737
GI	none	Score	201
Exons	26443..26571, 26444..26569, 26542..26736, 26543..26737, 26564..26737		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o9.tc	Method	TBLASTX:Cress
Start	26951	End	27190
GI	none	Score	204
Exons	26951..27190		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o15.tm	Method	TBLASTX:Maize
Start	27050	End	27277
GI	none	Score	193
Exons	27050..27277, 27067..27276		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o13.tm	Method	TBLASTX:Maize
Start	27292	End	27700
GI	none	Score	159
Exons	27292..27486, 27293..27487, 27605..27700		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o9.tm	Method	TBLASTX:Maize
Start	28139	End	28513
GI	none	Score	49
Exons	28139..28183, 28187..28510, 28232..28513		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o2.ts	Method	TBLASTX:Soybean
Start	28253	End	28909
GI	none	Score	322
Exons	28253..28552, 28273..28437, 28286..28555, 28541..28732, 28555..28713, 28811..28909		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o4.tc	Method	TBLASTX:Cress
Start	28322	End	28614
GI	none	Score	246
Exons	28322..28531, 28327..28497, 28334..28531, 28335..28532, 28357..28554, 28523..28612, 28540..28614		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-

Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o2.tm	Method	TBLASTX:Maize
Start	28514	End	29755
GI	none	Score	54
Exons	28514..28582, 28595..28723, 28838..29008, 29084..29755, 29085..29198, 29149..29232, 29278..29649		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o1.ts	Method	TBLASTX:Soybean
Start	29075	End	30994
GI	none	Score	1657
Exons	29075..30439, 29084..29317, 29152..29652, 29339..29746, 29855..30406, 29866..30438, 30413..30565, 30695..30964, 30710..30994, 30727..30993		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o3.tc	Method	TBLASTX:Cress
Start	29084	End	29347
GI	none	Score	293
Exons	29084..29290, 29100..29216, 29102..29302, 29287..29346, 29291..29347		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o1.tc	Method	TBLASTX:Cress
Start	29458	End	29959
GI	none	Score	199
Exons	29458..29583, 29459..29584, 29576..29959, 29576..29767, 29813..29959		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o1.tw	Method	TBLASTX:Wheat
Start	29612	End	29983
GI	none	Score	354
Exons	29612..29983, 29729..29980		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o5.tm	Method	TBLASTX:Maize
Start	29756	End	30025
GI	none	Score	295
Exons	29756..29941, 29756..29941, 29842..29970, 29934..30017, 29941..30021, 29942..30025		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o5.tc	Method	TBLASTX:Cress
Start	29960	End	30178

GI	none	Score	290
Exons	29960..30178, 29965..30177		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o4.tw	Method	TBLASTX:Wheat
Start	29986	End	30166
GI	none	Score	263
Exons	29986..30165, 29990..30166		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o1.tm	Method	TBLASTX:Maize
Start	30026	End	30994
GI	none	Score	724
Exons	30026..30991, 30027..30779, 30027..30992, 30028..30993, 30028..30993, 30029..30994		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o7.tc	Method	TBLASTX:Cress
Start	30182	End	30430
GI	none	Score	243
Exons	30182..30430, 30235..30420		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o8.tc	Method	TBLASTX:Cress
Start	30721	End	31000
GI	none	Score	234
Exons	30721..30993, 30722..31000, 30764..30997		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o3.tw	Method	TBLASTX:Wheat
Start	30722	End	31000
GI	none	Score	270
Exons	30722..31000, 30727..30993		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o2.tw	Method	TBLASTX:Wheat
Start	33384	End	33721
GI	none	Score	54
Exons	33384..33419, 33493..33699, 33494..33721, 33638..33703		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o4.ts	Method	TBLASTX:Soybean
Start	33493	End	34790

GI	none	Score	148
Exons	33493..33588, 33494..33595, 33634..33711, 33635..33703, 34610..34765, 34610..34741, 34611..34790		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o6.tc	Method	TBLASTX:Cress
Start	33493	End	34796
GI	none	Score	46
Exons	33493..33531, 33494..33532, 33635..33721, 33646..33699, 34544..34741, 34611..34796, 34611..34790, 34648..34791		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o11.tm	Method	TBLASTX:Maize
Start	33497	End	34800
GI	none	Score	199
Exons	33497..33736, 33502..33585, 33640..33699, 33641..33703, 34610..34744, 34611..34790, 34611..34790, 34648..34800		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o11.gs	Method	GENSCAN
Start	43316	End	46571
GI	none	Score	.83
Exons	43316..44292, 44901..44995, 45829..45895, 46123..46252, 46509..46571		

Seq. No.	30877	Seq. ID	OJ990529_36.9A05.C4
Gene No.	63890	Strand	-
Start	43316	End	46571
Name	OJ990529_36.9A05.C4.o16.tm	Method	TBLASTX:Maize
Start	43583	End	44372
GI	none	Score	148
Exons	43583..43696, 43584..43694, 43745..43786, 44015..44146, 44219..44269, 44219..44266, 44263..44346, 44319..44372		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63891	Strand	+
Start	3920	End	11126
Name	OJ990529_36.9A05.C5.o1.np	Method	AAT/NAP
Start	3920	End	10834
GI	3228517	Score	837
Exons	3920..4043, 4189..4398, 4485..4541, 4951..5133, 5238..5322, 5956..6046, 6130..6294, 6415..6532, 6606..6683, 8054..8216, 8303..8434, 8528..8587, 10706..10834		
GI Descrip.	(AF007788) ETTIN [Arabidopsis thaliana]		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63891	Strand	+
Start	3920	End	11126
Name	OJ990529_36.9A05.C5.o2.gs	Method	GENSCAN
Start	4150	End	11126
GI	none	Score	.65

Exons	4150..4398, 4485..4541, 4951..5133, 8054..8216, 8303..8428, 8487..8535, 8760..9030, 9266..9366, 11102..11126		
Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63891	Strand	+
Start	3920	End	11126
Name	OJ990529_36.9A05.C5.o1.gp	Method	AAT/GAP
Start	6149	End	8170
GI	LIB3477-001-P1-K1-E4	Score	803
Exons	6149..6294, 6415..6531, 6608..6683, 8054..8170		
GI Descrip.	'3228517 1.0e-33 (AF007788) ETTIN [Arabidopsis thaliana]'		
Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63892	Strand	+
Start	17240	End	21601
Name	OJ990529_36.9A05.C5.o3.np	Method	AAT/NAP
Start	17236	End	18487
GI	6478918	Score	495
Exons	17236..17343, 17865..18487		
GI Descrip.	(AC011436) unknown protein [Arabidopsis thaliana]		
Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63892	Strand	+
Start	17240	End	21601
Name	OJ990529_36.9A05.C5.o4.gs	Method	GENSCAN
Start	17240	End	21601
GI	none	Score	.83
Exons	17240..17369, 17913..18280, 19301..19642, 21212..21298, 21395..21601		
Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63892	Strand	+
Start	17240	End	21601
Name	OJ990529_36.9A05.C5.o4.gp	Method	AAT/GAP
Start	17245	End	18326
GI	none	Score	1077
Exons	17245..17385, 17908..18326		
Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63892	Strand	+
Start	17240	End	21601
Name	OJ990529_36.9A05.C5.o4.np	Method	AAT/NAP
Start	19514	End	21577
GI	6560770	Score	366
Exons	19514..19642, 20869..21003, 21212..21298, 21416..21577		
GI Descrip.	(AC010155) F3M18.5 [Arabidopsis thaliana]		
Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63893	Strand	-
Start	2165	End	3851
Name	OJ990529_36.9A05.C5.o1.gs	Method	GENSCAN
Start	2165	End	3851
GI	none	Score	.59
Exons	2165..2340, 3104..3234, 3399..3605, 3667..3851		
Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63894	Strand	-

Start	13150	End	16150
Name	OJ990529_36.9A05.C5.o3.gs	Method	GENSCAN
Start	13150	End	16150
GI	none	Score	.72
Exons	13150..13276, 13457..13552, 13838..13963, 14780..15066, 15326..16150		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63894	Strand	-
Start	13150	End	16150
Name	OJ990529_36.9A05.C5.o2.gp	Method	AAT/GAP
Start	13525	End	14054
GI	LIB3475-006-P1-K1-D9	Score	566
Exons	13525..13567, 13663..14054		
GI Descrip.	'5923669/gb|AAD56320.1|AC009326_7 2.0e-09 (AC009326) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63894	Strand	-
Start	13150	End	16150
Name	OJ990529_36.9A05.C5.o3.gp	Method	AAT/GAP
Start	13657	End	14054
GI	LIB3475-006-P1-K1-D9	Score	567
Exons	13657..14054		
GI Descrip.	'5923669/gb|AAD56320.1|AC009326_7 2.0e-09 (AC009326) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63894	Strand	-
Start	13150	End	16150
Name	OJ990529_36.9A05.C5.o2.np	Method	AAT/NAP
Start	14758	End	16138
GI	2282586	Score	624
Exons	14758..15066, 15326..15702, 15736..16138		
GI Descrip.	(U82011) methyltransferase [Prunus armeniaca]		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63895	Strand	-
Start	22208	End	26859
Name	OJ990529_36.9A05.C5.o2.tc	Method	TBLASTX:Cress
Start	4200	End	8125
GI	none	Score	152
Exons	4200..4304, 4201..4314, 4354..4395, 4479..4541, 5019..5135, 5020..5133, 5021..5137, 5039..5134, 5207..5323, 5238..5333, 5954..6043, 5955..6047, 6124..6294, 6128..6301, 6413..6532, 6606..6686, 6614..6685, 8054..8125		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63895	Strand	-
Start	22208	End	26859
Name	OJ990529_36.9A05.C5.o5.tm	Method	TBLASTX:Maize
Start	4273	End	5334
GI	none	Score	57
Exons	4273..4317, 4321..4395, 4416..4544, 5026..5133, 5031..5129, 5207..5323, 5238..5333, 5239..5334		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5

Gene No.	63895	Strand	-
Start	22208	End	26859
Name	OJ990529_36.9A05.C5.o3.ts	Method	TBLASTX:Soybean
Start	5238	End	6686
GI	none	Score	108
Exons	5238..5333, 5954..6043, 5955..6047, 6118..6171, 6128..6301, 6413..6532, 6413..6523, 6605..6685, 6606..6686		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63895	Strand	-
Start	22208	End	26859
Name	OJ990529_36.9A05.C5.o4.tm	Method	TBLASTX:Maize
Start	5954	End	8119
GI	none	Score	114
Exons	5954..6043, 5967..6047, 5982..6047, 5983..6048, 6123..6233, 6124..6297, 6128..6304, 6413..6532, 6425..6523, 6606..6650, 6620..6685, 6654..6686, 8048..8119		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63895	Strand	-
Start	22208	End	26859
Name	OJ990529_36.9A05.C5.o1.tm	Method	TBLASTX:Maize
Start	8155	End	9018
GI	none	Score	80
Exons	8155..8208, 8157..8219, 8168..8215, 8305..8499, 8308..8469, 8309..8473, 8470..8742, 8471..8725, 8771..8830, 8917..9018, 8917..9009, 8919..9017		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63895	Strand	-
Start	22208	End	26859
Name	OJ990529_36.9A05.C5.o2.tm	Method	TBLASTX:Maize
Start	14753	End	16111
GI	none	Score	98
Exons	14753..14863, 14755..14874, 14965..15078, 15326..15418, 15327..15419, 15404..15535, 15405..15536, 15563..15664, 15734..15823, 15836..15883, 15863..16111, 15872..16093		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63895	Strand	-
Start	22208	End	26859
Name	OJ990529_36.9A05.C5.o2.tw	Method	TBLASTX:Wheat
Start	14755	End	15538
GI	none	Score	67
Exons	14755..14916, 14756..14860, 14945..15076, 14965..15078, 15323..15409, 15407..15538		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63895	Strand	-
Start	22208	End	26859
Name	OJ990529_36.9A05.C5.o1.ts	Method	TBLASTX:Soybean
Start	15321	End	16120
GI	none	Score	45
Exons	15321..15380, 15326..15400, 15413..15535, 15417..15536, 15563..15664, 15576..15665, 15734..15808, 15896..16120		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5

Gene No.	63895	Strand	-
Start	22208	End	26859
Name	OJ990529_36.9A05.C5.o1.tw	Method	TBLASTX:Wheat
Start	15887	End	16138
GI	none	Score	109
Exons	15887..16093, 15890..16138		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63895	Strand	-
Start	22208	End	26859
Name	OJ990529_36.9A05.C5.o1.tc	Method	TBLASTX:Cress
Start	17942	End	18319
GI	none	Score	65
Exons	17942..18046, 17947..18000, 18008..18304, 18011..18319, 18013..18306		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63895	Strand	-
Start	22208	End	26859
Name	OJ990529_36.9A05.C5.o5.ts	Method	TBLASTX:Soybean
Start	19502	End	21006
GI	none	Score	149
Exons	19502..19642, 19508..19642, 20863..21003, 20866..21006		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63895	Strand	-
Start	22208	End	26859
Name	OJ990529_36.9A05.C5.o6.tm	Method	TBLASTX:Maize
Start	19505	End	20967
GI	none	Score	200
Exons	19505..19642, 19513..19638, 19514..19642, 19537..19644, 20865..20966, 20866..20967, 20866..20967		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63895	Strand	-
Start	22208	End	26859
Name	OJ990529_36.9A05.C5.o5.gs	Method	GENSCAN
Start	22208	End	26832
GI	none	Score	.87
Exons	22208..22261, 22587..22699, 23853..23961, 24048..24167, 25392..25551, 26092..26165, 26605..26832		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63895	Strand	-
Start	22208	End	26859
Name	OJ990529_36.9A05.C5.o5.gp	Method	AAT/GAP
Start	22339	End	24104
GI	none	Score	860
Exons	22339..22699, 23853..23960, 24048..24104		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63895	Strand	-
Start	22208	End	26859
Name	OJ990529_36.9A05.C5.o3.tm	Method	TBLASTX:Maize
Start	22502	End	26647
GI	none	Score	233
Exons	22502..22696, 22503..22700, 22506..22700, 23854..23961,		

23855..23962, 24031..24177, 24031..24168, 24047..24169,
24048..24179, 25390..25479, 25390..25470, 25391..25471,
25392..25553, 25392..25478, 26088..26165, 26091..26165,
26092..26166, 26093..26167, 26599..26643, 26603..26647

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63895	Strand	-
Start	22208	End	26859
Name	OJ990529_36.9A05.C5.o4.ts	Method	TBLASTX:Soybean
Start	22502	End	23949
GI	none	Score	74
Exons	22502..22690, 22518..22700, 22521..22634, 22522..22695, 22543..22755, 23846..23938, 23854..23949, 23855..23941		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63895	Strand	-
Start	22208	End	26859
Name	OJ990529_36.9A05.C5.o5.np	Method	AAT/NAP
Start	22521	End	26790
GI	3293547	Score	233
Exons	22521..22677, 23977..24167, 25392..25551, 26092..26165, 26605..26790		
GI Descrip.	(AF072709) putative oxidoreductase [Streptomyces lividans]		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63895	Strand	-
Start	22208	End	26859
Name	OJ990529_36.9A05.C5.o6.ts	Method	TBLASTX:Soybean
Start	24048	End	26165
GI	none	Score	132
Exons	24048..24179, 24055..24168, 25329..25571, 25392..25478, 26091..26165		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63895	Strand	-
Start	22208	End	26859
Name	OJ990529_36.9A05.C5.o3.tc	Method	TBLASTX:Cress
Start	26094	End	26835
GI	none	Score	62
Exons	26094..26165, 26095..26166, 26605..26835, 26621..26833		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63895	Strand	-
Start	22208	End	26859
Name	OJ990529_36.9A05.C5.o2.ts	Method	TBLASTX:Soybean
Start	26603	End	26859
GI	none	Score	202
Exons	26603..26833, 26605..26859		

Seq. No.	30878	Seq. ID	OJ990529_36.9A05.C5
Gene No.	63895	Strand	-
Start	22208	End	26859
Name	OJ990529_36.9A05.C5.o6.gp	Method	AAT/GAP
Start	26664	End	26832
GI	30343_1.R1084	Score	307
Exons	26664..26832		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 3.0e-09 Oryza sativa BAC T49B20		

genomic sequence, complete sequence'

Seq. No.	30879	Seq. ID	OJ990529_36.9A05.C6
Gene No.	63896	Strand	-
Start	623	End	1707
Name	OJ990529_36.9A05.C6.o1.gs	Method	GENSCAN
Start	623	End	1707
GI	none	Score	.93
Exons	623..826, 1615..1707		

Seq. No.	30880	Seq. ID	OJ990529_36.9A05.C7
Gene No.	63897	Strand	+
Start	1	End	1024
Name	OJ990529_36.9A05.C7.o1.np	Method	AAT/NAP
Start	1	End	413
GI	6560771	Score	97
Exons	1..154, 259..413		
GI Descrip.	(AC010155) F3M18.4 [Arabidopsis thaliana]		

Seq. No.	30880	Seq. ID	OJ990529_36.9A05.C7
Gene No.	63897	Strand	+
Start	1	End	1024
Name	OJ990529_36.9A05.C7.o1.gs	Method	GENSCAN
Start	5	End	1024
GI	none	Score	.49
Exons	5..112, 241..493, 899..1024		

Seq. No.	30880	Seq. ID	OJ990529_36.9A05.C7
Gene No.	63897	Strand	+
Start	1	End	1024
Name	OJ990529_36.9A05.C7.o1.gp	Method	AAT/GAP
Start	415	End	579
GI	2312036	Score	275
Exons	415..579		

Seq. No.	30881	Seq. ID	OJ990529_36.9A05.C8
Gene No.	63898	Strand	+
Start	489	End	755
Name	OJ990529_36.9A05.C8.o1.np	Method	AAT/NAP
Start	489	End	755
GI	2498930	Score	74
Exons	489..552, 719..755		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	30882	Seq. ID	OJ990529_35.9A14.C1
Gene No.	63899	Strand	-
Start	1	End	5395
Name	OJ990529_35.9A14.C1.o1.np	Method	AAT/NAP
Start	1	End	3043
GI	5725442	Score	87
Exons	1..63, 1109..1256, 2906..3043		
GI Descrip.	(AL109787) putative protein [Arabidopsis thaliana]		

Seq. No.	30882	Seq. ID	OJ990529_35.9A14.C1
Gene No.	63899	Strand	-
Start	1	End	5395

Name	OJ990529_35.9A14.C1.o1.gs	Method	GENSCAN
Start	555	End	5395
GI	none	Score	.51
Exons	555..659, 1022..1264, 2899..3049, 5217..5395		

Seq. No.	30882	Seq. ID	OJ990529_35.9A14.C1
Gene No.	63900	Strand	-
Start	5979	End	6206
Name	OJ990529_35.9A14.C1.o1.gp	Method	AAT/GAP
Start	5979	End	6206
GI	LIB3477-003-P1-K1-E9	Score	133
Exons	5979..6000, 6112..6206		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	30883	Seq. ID	OJ990529_35.9A14.C2
Gene No.	63901	Strand	+
Start	227	End	730
Name	OJ990529_35.9A14.C2.o1.np	Method	AAT/NAP
Start	227	End	730
GI	4580475	Score	84
Exons	227..730		
GI Descrip.	(AC006081) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	30883	Seq. ID	OJ990529_35.9A14.C2
Gene No.	63902	Strand	+
Start	2285	End	3049
Name	OJ990529_35.9A14.C2.o1.gs	Method	GENSCAN
Start	2285	End	3049
GI	none	Score	.79
Exons	2285..3049		

Seq. No.	30883	Seq. ID	OJ990529_35.9A14.C2
Gene No.	63903	Strand	+
Start	3288	End	10477
Name	OJ990529_35.9A14.C2.o1.gp	Method	AAT/GAP
Start	3288	End	3919
GI	2310235	Score	289
Exons	3288..3325, 3780..3919		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	30883	Seq. ID	OJ990529_35.9A14.C2
Gene No.	63903	Strand	+
Start	3288	End	10477
Name	OJ990529_35.9A14.C2.o2.np	Method	AAT/NAP
Start	3799	End	10456
GI	4680203	Score	3266
Exons	3799..5452, 5606..5836, 9484..10456		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	30883	Seq. ID	OJ990529_35.9A14.C2
Gene No.	63903	Strand	+
Start	3288	End	10477
Name	OJ990529_35.9A14.C2.o2.gp	Method	AAT/GAP
Start	7959	End	8209

GI	101153_1.R1084	Score	398
Exons	7959..8209		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	30883	Seq. ID	OJ990529_35.9A14.C2
Gene No.	63903	Strand	+
Start	3288	End	10477
Name	OJ990529_35.9A14.C2.o3.gp	Method	AAT/GAP
Start	8225	End	8654
GI	2428185	Score	705
Exons	8225..8654		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	30883	Seq. ID	OJ990529_35.9A14.C2
Gene No.	63903	Strand	+
Start	3288	End	10477
Name	OJ990529_35.9A14.C2.o4.gs	Method	GENSCAN
Start	9421	End	10477
GI	none	Score	.47
Exons	9421..10141, 10191..10477		

Seq. No.	30883	Seq. ID	OJ990529_35.9A14.C2
Gene No.	63904	Strand	-
Start	6582	End	10402
Name	OJ990529_35.9A14.C2.o4.tw	Method	TBLASTX:Wheat
Start	4086	End	4481
GI	none	Score	58
Exons	4086..4184, 4193..4237, 4220..4471, 4228..4470, 4230..4481		

Seq. No.	30883	Seq. ID	OJ990529_35.9A14.C2
Gene No.	63904	Strand	-
Start	6582	End	10402
Name	OJ990529_35.9A14.C2.o1.ts	Method	TBLASTX:Soybean
Start	4402	End	4828
GI	none	Score	103
Exons	4402..4485, 4403..4477, 4478..4540, 4535..4828, 4589..4813		

Seq. No.	30883	Seq. ID	OJ990529_35.9A14.C2
Gene No.	63904	Strand	-
Start	6582	End	10402
Name	OJ990529_35.9A14.C2.o1.tc	Method	TBLASTX:Cress
Start	4564	End	4912
GI	none	Score	304
Exons	4564..4716, 4571..4912, 4765..4893		

Seq. No.	30883	Seq. ID	OJ990529_35.9A14.C2
Gene No.	63904	Strand	-
Start	6582	End	10402
Name	OJ990529_35.9A14.C2.o2.tw	Method	TBLASTX:Wheat
Start	4700	End	5169
GI	none	Score	71
Exons	4700..4756, 4708..4746, 4753..4854, 4754..4858, 4862..4960, 4867..4959, 4870..4962, 4940..5164, 4960..5169, 4961..5164, 4963..5169		

Seq. No.	30883	Seq. ID	OJ990529_35.9A14.C2
Gene No.	63904	Strand	-
Start	6582	End	10402
Name	OJ990529_35.9A14.C2.o1.tm	Method	TBLASTX:Maize
Start	4756	End	5203
GI	none	Score	245
Exons	4756..4998, 4757..4999, 5009..5203		

Seq. No.	30883	Seq. ID	OJ990529_35.9A14.C2
Gene No.	63904	Strand	-
Start	6582	End	10402
Name	OJ990529_35.9A14.C2.o2.ts	Method	TBLASTX:Soybean
Start	5039	End	5275
GI	none	Score	217
Exons	5039..5275		

Seq. No.	30883	Seq. ID	OJ990529_35.9A14.C2
Gene No.	63904	Strand	-
Start	6582	End	10402
Name	OJ990529_35.9A14.C2.o3.tw	Method	TBLASTX:Wheat
Start	5308	End	5713
GI	none	Score	87
Exons	5308..5358, 5309..5371, 5357..5599, 5392..5559, 5397..5600, 5627..5707, 5629..5712, 5632..5712, 5633..5713		

Seq. No.	30883	Seq. ID	OJ990529_35.9A14.C2
Gene No.	63904	Strand	-
Start	6582	End	10402
Name	OJ990529_35.9A14.C2.o1.tw	Method	TBLASTX:Wheat
Start	5714	End	10402
GI	none	Score	415
Exons	5714..5899, 5719..6057, 5720..6049, 9405..9461, 9406..9459, 9450..9815, 9457..9978, 9459..9977, 10001..10048, 10003..10047, 10050..10112, 10054..10113, 10133..10234, 10135..10245, 10136..10234, 10240..10293, 10241..10321, 10310..10402, 10314..10385, 10336..10401		

Seq. No.	30883	Seq. ID	OJ990529_35.9A14.C2
Gene No.	63904	Strand	-
Start	6582	End	10402
Name	OJ990529_35.9A14.C2.o2.tm	Method	TBLASTX:Maize
Start	5762	End	6054
GI	none	Score	275
Exons	5762..6049, 5779..6054		

Seq. No.	30883	Seq. ID	OJ990529_35.9A14.C2
Gene No.	63904	Strand	-
Start	6582	End	10402
Name	OJ990529_35.9A14.C2.o3.gs	Method	GENSCAN
Start	6582	End	8751
GI	none	Score	.58
Exons	6582..7133, 7138..7604, 8544..8751		

Seq. No.	30883	Seq. ID	OJ990529_35.9A14.C2
Gene No.	63904	Strand	-
Start	6582	End	10402
Name	OJ990529_35.9A14.C2.o2.tc	Method	TBLASTX:Cress

Start	9405	End	9825
GI	none	Score	80
Exons	9405..9461, 9406..9459, 9450..9815, 9457..9825, 9459..9821, 9676..9825		

Seq. No.	30884	Seq. ID	OJ990529_35.9A14.C3
Gene No.	63905	Strand	+
Start	1100	End	6165
Name	OJ990529_35.9A14.C3.o1.np	Method	AAT/NAP
Start	1100	End	4721
GI	4680204	Score	847
Exons	1100..2444, 2536..3620, 3709..3882, 3976..4147, 4540..4721		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	30884	Seq. ID	OJ990529_35.9A14.C3
Gene No.	63905	Strand	+
Start	1100	End	6165
Name	OJ990529_35.9A14.C3.o1.gs	Method	GENSCAN
Start	1313	End	6165
GI	none	Score	.74
Exons	1313..1583, 1684..2444, 2515..3335, 3709..3882, 3976..4086, 4188..4260, 4356..4454, 4551..4715, 5700..5786, 5831..5927, 5975..6165		

Seq. No.	30884	Seq. ID	OJ990529_35.9A14.C3
Gene No.	63906	Strand	-
Start	8358	End	8567
Name	OJ990529_35.9A14.C3.o2.gs	Method	GENSCAN
Start	8358	End	8567
GI	none	Score	.87
Exons	8358..8385, 8460..8567		

Seq. No.	30884	Seq. ID	OJ990529_35.9A14.C3
Gene No.	63907	Strand	-
Start	8482	End	8629
Name	OJ990529_35.9A14.C3.o1.tw	Method	TBLASTX:Wheat
Start	1653	End	2054
GI	none	Score	209
Exons	1653..1883, 1653..1880, 1754..1897, 1937..2053, 1938..2054		

Seq. No.	30884	Seq. ID	OJ990529_35.9A14.C3
Gene No.	63907	Strand	-
Start	8482	End	8629
Name	OJ990529_35.9A14.C3.o2.tw	Method	TBLASTX:Wheat
Start	2055	End	2748
GI	none	Score	69
Exons	2055..2135, 2376..2447, 2530..2748		

Seq. No.	30884	Seq. ID	OJ990529_35.9A14.C3
Gene No.	63907	Strand	-
Start	8482	End	8629
Name	OJ990529_35.9A14.C3.o3.tw	Method	TBLASTX:Wheat
Start	3396	End	4054
GI	none	Score	139
Exons	3396..3464, 3695..3895, 3707..3892, 3973..4047, 3974..4054		

Seq. No.	30884	Seq. ID	OJ990529_35.9A14.C3

Gene No.	63907	Strand	-
Start	8482	End	8629
Name	OJ990529_35.9A14.C3.o1.gp	Method	AAT/GAP
Start	8482	End	8629
GI	none	Score	254
Exons	8482..8629		

Seq. No.	30885	Seq. ID	OJ990529_35.9A14.C4
Gene No.	63908	Strand	-
Start	1	End	659
Name	OJ990529_35.9A14.C4.o1.np	Method	AAT/NAP
Start	1	End	659
GI	5832838	Score	119
Exons	1..142, 220..280, 531..659		
GI Descrip.	(AL117202) predicted using Genefinder [Caenorhabditis elegans]		

Seq. No.	30885	Seq. ID	OJ990529_35.9A14.C4
Gene No.	63908	Strand	-
Start	1	End	659
Name	OJ990529_35.9A14.C4.o1.tc	Method	TBLASTX:Cress
Start	4	End	290
GI	none	Score	143
Exons	4..141, 5..145, 8..151, 87..152, 202..276, 211..270, 219..290		

Seq. No.	30885	Seq. ID	OJ990529_35.9A14.C4
Gene No.	63908	Strand	-
Start	1	End	659
Name	OJ990529_35.9A14.C4.o1.tm	Method	TBLASTX:Maize
Start	4	End	651
GI	none	Score	160
Exons	4..141, 5..145, 195..275, 195..278, 202..294, 273..347, 276..347, 412..645, 416..646, 514..651		

Seq. No.	30885	Seq. ID	OJ990529_35.9A14.C4
Gene No.	63908	Strand	-
Start	1	End	659
Name	OJ990529_35.9A14.C4.o1.gs	Method	GENSCAN
Start	7	End	639
GI	none	Score	.59
Exons	7..142, 220..326, 421..639		

Seq. No.	30885	Seq. ID	OJ990529_35.9A14.C4
Gene No.	63908	Strand	-
Start	1	End	659
Name	OJ990529_35.9A14.C4.o1.gp	Method	AAT/GAP
Start	494	End	659
GI	3762728	Score	328
Exons	494..659		

Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63909	Strand	+
Start	3473	End	3623
Name	OJ990529_35.9A14.C5.o2.gp	Method	AAT/GAP
Start	3473	End	3623
GI	286806	Score	263
Exons	3473..3623		
GI Descrip.	5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic		

DNA, chromosome 2, clone:P0437H03 (contig a)

Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63910	Strand	+
Start	9205	End	9973
Name	OJ990529_35.9A14.C5.o2.gs	Method	GENSCAN
Start	9205	End	9973
GI	none	Score	.95
Exons	9205..9289, 9498..9973		

Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63911	Strand	+
Start	9933	End	14528
Name	OJ990529_35.9A14.C5.o2.np	Method	AAT/NAP
Start	9933	End	14528
GI	6705984	Score	1418
Exons	9933..9972, 13592..14528		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63912	Strand	-
Start	1	End	7412
Name	OJ990529_35.9A14.C5.o1.gp	Method	AAT/GAP
Start	1	End	86
GI	12998_2.R1084	Score	164
Exons	1..86		
GI Descrip.	'3367534 5.0e-63 (AC004392) Strong similarity to coatamer alpha subunit (HEPCOP) homolog gb_U24105 from Homo sapiens. [Arabidopsis thaliana]'		

Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63912	Strand	-
Start	1	End	7412
Name	OJ990529_35.9A14.C5.o1.np	Method	AAT/NAP
Start	1	End	4510
GI	3367534	Score	4480
Exons	1..2466, 2869..3363, 4303..4510		
GI Descrip.	(AC004392) Strong similarity to coatamer alpha subunit (HEPCOP) homolog gb|U24105 from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63912	Strand	-
Start	1	End	7412
Name	OJ990529_35.9A14.C5.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1330
GI	none	Score	135
Exons	2..502, 23..328, 154..441, 162..497, 616..894, 616..870, 669..1328, 689..1330, 720..1325		

Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63912	Strand	-
Start	1	End	7412
Name	OJ990529_35.9A14.C5.o2.tm	Method	TBLASTX:Maize
Start	2	End	684
GI	none	Score	344
Exons	2..349, 2..499, 57..497, 404..649, 409..537, 561..638, 604..648, 645..680, 646..681, 646..684		

Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63912	Strand	-
Start	1	End	7412
Name	OJ990529_35.9A14.C5.o4.tc	Method	TBLASTX:Cress
Start	2	End	239
GI	none	Score	68
Exons	2..238, 11..232, 60..239		

Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63912	Strand	-
Start	1	End	7412
Name	OJ990529_35.9A14.C5.o1.gs	Method	GENSCAN
Start	115	End	7412
GI	none	Score	.76
Exons	115..2466, 2869..3363, 4303..4570, 6067..6128, 6686..6830, 6870..7033, 7391..7412		

Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63912	Strand	-
Start	1	End	7412
Name	OJ990529_35.9A14.C5.o5.tm	Method	TBLASTX:Maize
Start	686	End	838
GI	none	Score	179
Exons	686..838, 695..835, 718..837		

Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63912	Strand	-
Start	1	End	7412
Name	OJ990529_35.9A14.C5.o2.tc	Method	TBLASTX:Cress
Start	734	End	1192
GI	none	Score	342
Exons	734..769, 764..1192, 768..1184, 785..1192		

Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63912	Strand	-
Start	1	End	7412
Name	OJ990529_35.9A14.C5.o1.tm	Method	TBLASTX:Maize
Start	839	End	1477
GI	none	Score	562
Exons	839..1240, 840..1244, 1234..1431, 1241..1477, 1242..1472, 1273..1473		

Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63912	Strand	-
Start	1	End	7412
Name	OJ990529_35.9A14.C5.o5.tc	Method	TBLASTX:Cress
Start	1193	End	1375
GI	none	Score	176
Exons	1193..1375, 1194..1373		

Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63912	Strand	-
Start	1	End	7412
Name	OJ990529_35.9A14.C5.o2.ts	Method	TBLASTX:Soybean
Start	1385	End	1759
GI	none	Score	321

Exons	1385..1729, 1410..1730, 1486..1731, 1715..1759		
Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63912	Strand	-
Start	1	End	7412
Name	OJ990529_35.9A14.C5.o1.tc	Method	TBLASTX:Cress
Start	1425	End	1897
GI	none	Score	386
Exons	1425..1787, 1430..1897, 1457..1897		
Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63912	Strand	-
Start	1	End	7412
Name	OJ990529_35.9A14.C5.o8.ts	Method	TBLASTX:Soybean
Start	1781	End	1954
GI	none	Score	85
Exons	1781..1951, 1802..1954		
Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63912	Strand	-
Start	1	End	7412
Name	OJ990529_35.9A14.C5.o3.ts	Method	TBLASTX:Soybean
Start	1955	End	2300
GI	none	Score	224
Exons	1955..2293, 1955..2296, 2022..2300		
Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63912	Strand	-
Start	1	End	7412
Name	OJ990529_35.9A14.C5.o7.tm	Method	TBLASTX:Maize
Start	2210	End	3373
GI	none	Score	164
Exons	2210..2485, 2222..2449, 2246..2443, 2864..2986, 2879..2974, 2879..2968, 3068..3367, 3074..3184, 3080..3373, 3080..3307, 3104..3364		
Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63912	Strand	-
Start	1	End	7412
Name	OJ990529_35.9A14.C5.o4.ts	Method	TBLASTX:Soybean
Start	2321	End	3367
GI	none	Score	257
Exons	2321..2404, 2342..2449, 2879..2977, 2999..3253, 3000..3251, 3083..3145, 3209..3367		
Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63912	Strand	-
Start	1	End	7412
Name	OJ990529_35.9A14.C5.o3.tc	Method	TBLASTX:Cress
Start	2897	End	4523
GI	none	Score	243
Exons	2897..2965, 3083..3148, 3104..3286, 3230..3349, 4301..4510, 4302..4523		
Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63912	Strand	-
Start	1	End	7412

Name	OJ990529_35.9A14.C5.o5.ts	Method	TBLASTX:Soybean
Start	4301	End	4522
GI	none	Score	274
Exons	4301..4513, 4302..4514, 4391..4522		

Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63912	Strand	-
Start	1	End	7412
Name	OJ990529_35.9A14.C5.o4.tm	Method	TBLASTX:Maize
Start	4310	End	4523
GI	none	Score	213
Exons	4310..4522, 4311..4523		

Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63913	Strand	
Start	13606	End	14246
Name	OJ990529_35.9A14.C5.o7.ts	Method	TBLASTX:Soybean
Start	13606	End	13965
GI	none	Score	341
Exons	13606..13965, 13725..13952		

Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63913	Strand	
Start	13606	End	14246
Name	OJ990529_35.9A14.C5.o2.tw	Method	TBLASTX:Wheat
Start	13678	End	14079
GI	none	Score	304
Exons	13678..14079, 13725..14078		

Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63913	Strand	
Start	13606	End	14246
Name	OJ990529_35.9A14.C5.o3.tm	Method	TBLASTX:Maize
Start	13726	End	14229
GI	none	Score	407
Exons	13726..14229, 13767..14147		

Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63913	Strand	
Start	13606	End	14246
Name	OJ990529_35.9A14.C5.o6.ts	Method	TBLASTX:Soybean
Start	13989	End	14246
GI	none	Score	345
Exons	13989..14246, 13990..14244		

Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63914	Strand	
Start	14166	End	14528
Name	OJ990529_35.9A14.C5.o1.tw	Method	TBLASTX:Wheat
Start	14166	End	14528
GI	none	Score	595
Exons	14166..14528, 14167..14526		

Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63914	Strand	
Start	14166	End	14528
Name	OJ990529_35.9A14.C5.o9.ts	Method	TBLASTX:Soybean

Start	14251	End	14450
GI	none	Score	161
Exons	14251..14355, 14265..14363, 14359..14445, 14361..14450		

Seq. No.	30886	Seq. ID	OJ990529_35.9A14.C5
Gene No.	63914	Strand	
Start	14166	End	14528
Name	OJ990529_35.9A14.C5.o6.tm	Method	TBLASTX:Maize
Start	14371	End	14526
GI	none	Score	200
Exons	14371..14526, 14373..14525		

Seq. No.	30887	Seq. ID	OJ990529_35.9A14.C6
Gene No.	63915	Strand	+
Start	1	End	898
Name	OJ990529_35.9A14.C6.o1.np	Method	AAT/NAP
Start	1	End	799
GI	6705984	Score	1269
Exons	1..799		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	30887	Seq. ID	OJ990529_35.9A14.C6
Gene No.	63915	Strand	+
Start	1	End	898
Name	OJ990529_35.9A14.C6.o2.tm	Method	TBLASTX:Maize
Start	2	End	373
GI	none	Score	247
Exons	2..373		

Seq. No.	30887	Seq. ID	OJ990529_35.9A14.C6
Gene No.	63915	Strand	+
Start	1	End	898
Name	OJ990529_35.9A14.C6.o2.tw	Method	TBLASTX:Wheat
Start	2	End	211
GI	none	Score	196
Exons	2..211, 73..210		

Seq. No.	30887	Seq. ID	OJ990529_35.9A14.C6
Gene No.	63915	Strand	+
Start	1	End	898
Name	OJ990529_35.9A14.C6.o1.tw	Method	TBLASTX:Wheat
Start	212	End	610
GI	none	Score	558
Exons	212..610, 214..600		

Seq. No.	30887	Seq. ID	OJ990529_35.9A14.C6
Gene No.	63915	Strand	+
Start	1	End	898
Name	OJ990529_35.9A14.C6.o1.gs	Method	GENSCAN
Start	281	End	898
GI	none	Score	.55
Exons	281..898		

Seq. No.	30887	Seq. ID	OJ990529_35.9A14.C6
Gene No.	63915	Strand	+
Start	1	End	898
Name	OJ990529_35.9A14.C6.o1.tm	Method	TBLASTX:Maize

Start	377	End	651
GI	none	Score	345
Exons	377..649, 379..651		

Seq. No.	30887	Seq. ID	OJ990529_35.9A14.C6
Gene No.	63915	Strand	+
Start	1	End	898
Name	OJ990529_35.9A14.C6.o3.tm	Method	TBLASTX:Maize
Start	653	End	892
GI	none	Score	223
Exons	653..841, 657..815, 689..829,	854..892	

Seq. No.	30888	Seq. ID	OJ990529_35.9A14.C7
Gene No.	63916	Strand	+
Start	573	End	6087
Name	OJ990529_35.9A14.C7.o1.gs	Method	GENSCAN
Start	573	End	5878
GI	none	Score	.44
Exons	573..1173, 1212..2182, 2443..2635, 2918..3127, 3809..3961, 4344..4419, 5788..5878		

Seq. No.	30888	Seq. ID	OJ990529_35.9A14.C7
Gene No.	63916	Strand	+
Start	573	End	6087
Name	OJ990529_35.9A14.C7.o1.np	Method	AAT/NAP
Start	1303	End	6087
GI	6691193	Score	293
Exons	1303..1909, 6043..6087		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	30888	Seq. ID	OJ990529_35.9A14.C7
Gene No.	63917	Strand	-
Start	7003	End	7114
Name	OJ990529_35.9A14.C7.o1.tw	Method	TBLASTX:Wheat
Start	1349	End	1720
GI	none	Score	108
Exons	1349..1492, 1535..1720, 1537..1719		

Seq. No.	30888	Seq. ID	OJ990529_35.9A14.C7
Gene No.	63917	Strand	-
Start	7003	End	7114
Name	OJ990529_35.9A14.C7.o1.gp	Method	AAT/GAP
Start	7003	End	7114
GI	uC-osflcyp088b12b1	Score	152
Exons	7003..7114		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	30889	Seq. ID	OJ990529_35.9A14.C8
Gene No.	63918	Strand	+
Start	1	End	817
Name	OJ990529_35.9A14.C8.o1.np	Method	AAT/NAP
Start	1	End	817
GI	6815109	Score	1236
Exons	1..817		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	30889	Seq. ID	OJ990529_35.9A14.C8
Gene No.	63919	Strand	+
Start	5587	End	7883
Name	OJ990529_35.9A14.C8.o2.gs	Method	GENSCAN
Start	5587	End	7883
GI	none	Score	.64
Exons	5587..5601, 7017..7581, 7747..7883		

Seq. No.	30889	Seq. ID	OJ990529_35.9A14.C8
Gene No.	63920	Strand	+
Start	10079	End	11435
Name	OJ990529_35.9A14.C8.o2.np	Method	AAT/NAP
Start	10079	End	11435
GI	6815109	Score	1798
Exons	10079..11435		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	30889	Seq. ID	OJ990529_35.9A14.C8
Gene No.	63921	Strand	+
Start	11825	End	13098
Name	OJ990529_35.9A14.C8.o4.gs	Method	GENSCAN
Start	11825	End	13098
GI	none	Score	.74
Exons	11825..11834, 12333..12536, 13040..13098		

Seq. No.	30889	Seq. ID	OJ990529_35.9A14.C8
Gene No.	63922	Strand	+
Start	21167	End	25448
Name	OJ990529_35.9A14.C8.o6.gs	Method	GENSCAN
Start	21167	End	25448
GI	none	Score	.58
Exons	21167..21193, 21758..21903, 22087..22156, 22769..22897, 23635..23758, 23837..23971, 25381..25448		

Seq. No.	30889	Seq. ID	OJ990529_35.9A14.C8
Gene No.	63923	Strand	-
Start	101	End	4906
Name	OJ990529_35.9A14.C8.o1.gs	Method	GENSCAN
Start	101	End	4906
GI	none	Score	.54
Exons	101..381, 666..773, 1449..1508, 3187..4097, 4206..4906		

Seq. No.	30889	Seq. ID	OJ990529_35.9A14.C8
Gene No.	63924	Strand	-
Start	6128	End	6559
Name	OJ990529_35.9A14.C8.o1.gp	Method	AAT/GAP
Start	6128	End	6559
GI	2428185	Score	729
Exons	6128..6559		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	30889	Seq. ID	OJ990529_35.9A14.C8
Gene No.	63925	Strand	-
Start	8597	End	8708
Name	OJ990529_35.9A14.C8.o2.gp	Method	AAT/GAP
Start	8597	End	8708

GI	uC-osflcyp088b12b1	Score	154
Exons	8597..8708		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	30889	Seq. ID	OJ990529_35.9A14.C8
Gene No.	63926	Strand	-
Start	17293	End	18732
Name	OJ990529_35.9A14.C8.o5.gs	Method	GENSCAN
Start	17293	End	18732
GI	none	Score	.66
Exons	17293..17508, 17596..17728, 18722..18732		

Seq. No.	30889	Seq. ID	OJ990529_35.9A14.C8
Gene No.	63927	Strand	-
Start	26885	End	30295
Name	OJ990529_35.9A14.C8.o3.np	Method	AAT/NAP
Start	26885	End	30295
GI	4585974	Score	69
Exons	26885..26935, 29751..29812, 30084..30295		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30889	Seq. ID	OJ990529_35.9A14.C8
Gene No.	63927	Strand	-
Start	26885	End	30295
Name	OJ990529_35.9A14.C8.o7.gs	Method	GENSCAN
Start	28559	End	29781
GI	none	Score	.87
Exons	28559..29166, 29562..29781		

Seq. No.	30889	Seq. ID	OJ990529_35.9A14.C8
Gene No.	63927	Strand	-
Start	26885	End	30295
Name	OJ990529_35.9A14.C8.o4.gp	Method	AAT/GAP
Start	29537	End	30190
GI	uC-osflcyp169e03b1	Score	721
Exons	29537..29812, 30084..30190		
GI Descrip.	'4115371 7.0e-51 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	30889	Seq. ID	OJ990529_35.9A14.C8
Gene No.	63927	Strand	-
Start	26885	End	30295
Name	OJ990529_35.9A14.C8.o1.tc	Method	TBLASTX:Cress
Start	29635	End	29815
GI	none	Score	128
Exons	29635..29814, 29636..29815		

Seq. No.	30890	Seq. ID	OJ990529_35.9A14.C10
Gene No.	63928	Strand	-
Start	1	End	148
Name	OJ990529_35.9A14.C10.o1.gp	Method	AAT/GAP
Start	1	End	148
GI	2801025	Score	248
Exons	1..148		

Seq. No.	30890	Seq. ID	OJ990529_35.9A14.C10

Gene No.	63929	Strand	-
Start	426	End	1347
Name	OJ990529_35.9A14.C10.o1.gs	Method	GENSCAN
Start	426	End	1347
GI	none	Score	.98
Exons	426..547, 1314..1347		

Seq. No.	30891	Seq. ID	OJ990529_35.9A14.C11
Gene No.	63930	Strand	-
Start	1275	End	1775
Name	OJ990529_35.9A14.C11.o1.gp	Method	AAT/GAP
Start	1275	End	1775
GI	3768126	Score	979
Exons	1275..1775		
GI Descrip.	5042437/gb|AC007789.1|AC007789 3.0e-09 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	30892	Seq. ID	OJ990529_35.9A14.C12
Gene No.	63931	Strand	+
Start	1	End	1097
Name	OJ990529_35.9A14.C12.o1.np	Method	AAT/NAP
Start	1	End	1097
GI	2498930	Score	723
Exons	1..43, 457..525, 693..1097		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	30892	Seq. ID	OJ990529_35.9A14.C12
Gene No.	63931	Strand	+
Start	1	End	1097
Name	OJ990529_35.9A14.C12.o1.gs	Method	GENSCAN
Start	466	End	995
GI	none	Score	.47
Exons	466..525, 693..995		

Seq. No.	30893	Seq. ID	OJ990529_35.9A14.C13
Gene No.	63932	Strand	+
Start	59	End	241
Name	OJ990529_35.9A14.C13.o1.gs	Method	GENSCAN
Start	59	End	241
GI	none	Score	.95
Exons	59..241		

Seq. No.	30893	Seq. ID	OJ990529_35.9A14.C13
Gene No.	63933	Strand	-
Start	150	End	641
Name	OJ990529_35.9A14.C13.o1.gp	Method	AAT/GAP
Start	150	End	641
GI	2428185	Score	611
Exons	150..572, 607..641		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	30894	Seq. ID	OJ990529_35.9A14.C15
Gene No.	63934	Strand	-
Start	87	End	573
Name	OJ990529_35.9A14.C15.o1.tm	Method	TBLASTX:Maize

Start	78	End	316
GI	none	Score	124
Exons	78..227, 82..228, 180..233, 258..314, 259..315, 260..316		

Seq. No.	30894	Seq. ID	OJ990529_35.9A14.C15
Gene No.	63934	Strand	-
Start	87	End	573
Name	OJ990529_35.9A14.C15.o1.gs	Method	GENSCAN
Start	87	End	573
GI	none	Score	.55
Exons	87..223, 552..573		

Seq. No.	30894	Seq. ID	OJ990529_35.9A14.C15
Gene No.	63934	Strand	-
Start	87	End	573
Name	OJ990529_35.9A14.C15.o1.gp	Method	AAT/GAP
Start	160	End	492
GI	3762728	Score	624
Exons	160..492		

Seq. No.	30895	Seq. ID	OJ990529_33.9A19.C1
Gene No.	63935	Strand	-
Start	179	End	1478
Name	OJ990529_33.9A19.C1.o1.gp	Method	AAT/GAP
Start	179	End	1478
GI	1735_1.R1084	Score	1181
Exons	179..703, 1388..1478		
GI Descrip.	'2633727/emb|CAB13229| 1.0e-23 (Z99111) ykrT [Bacillus subtilis]'		

Seq. No.	30895	Seq. ID	OJ990529_33.9A19.C1
Gene No.	63935	Strand	-
Start	179	End	1478
Name	OJ990529_33.9A19.C1.o1.tm	Method	TBLASTX:Maize
Start	525	End	1478
GI	none	Score	154
Exons	525..704, 528..653, 529..705, 530..706, 1380..1478, 1382..1477		

Seq. No.	30895	Seq. ID	OJ990529_33.9A19.C1
Gene No.	63935	Strand	-
Start	179	End	1478
Name	OJ990529_33.9A19.C1.o1.gs	Method	GENSCAN
Start	529	End	1395
GI	none	Score	.99
Exons	529..703, 1388..1395		

Seq. No.	30895	Seq. ID	OJ990529_33.9A19.C1
Gene No.	63935	Strand	-
Start	179	End	1478
Name	OJ990529_33.9A19.C1.o1.ts	Method	TBLASTX:Soybean
Start	541	End	711
GI	none	Score	79
Exons	541..711, 559..705, 560..706		

Seq. No.	30896	Seq. ID	OJ990529_33.9A19.C2
Gene No.	63936	Strand	-
Start	153	End	1518

Name	OJ990529_33.9A19.C2.o1.gp	Method	AAT/GAP
Start	153	End	347
GI	1735_1.R1084	Score	303
Exons	153..347		
GI Descrip.	'2633727/emb|CAB13229| 1.0e-23 (Z99111) ykrT [Bacillus subtilis]'		

Seq. No.	30896	Seq. ID	OJ990529_33.9A19.C2
Gene No.	63936	Strand	-
Start	153	End	1518
Name	OJ990529_33.9A19.C2.o1.gs	Method	GENSCAN
Start	157	End	1371
GI	none	Score	.83
Exons	157..358, 438..612, 761..1070, 1156..1371		

Seq. No.	30896	Seq. ID	OJ990529_33.9A19.C2
Gene No.	63936	Strand	-
Start	153	End	1518
Name	OJ990529_33.9A19.C2.o1.np	Method	AAT/NAP
Start	162	End	1328
GI	2633727	Score	329
Exons	162..358, 438..612, 764..1070, 1156..1328		
GI Descrip.	(Z99111) ykrT [Bacillus subtilis]		

Seq. No.	30896	Seq. ID	OJ990529_33.9A19.C2
Gene No.	63936	Strand	-
Start	153	End	1518
Name	OJ990529_33.9A19.C2.o2.gp	Method	AAT/GAP
Start	889	End	1518
GI	26361_1.R1084	Score	1018
Exons	889..1070, 1156..1518		
GI Descrip.	'2633727/emb|CAB13229| 7.0e-13 (Z99111) ykrT [Bacillus subtilis]'		

Seq. No.	30896	Seq. ID	OJ990529_33.9A19.C2
Gene No.	63937	Strand	-
Start	2775	End	3491
Name	OJ990529_33.9A19.C2.o2.ts	Method	TBLASTX:Soybean
Start	128	End	827
GI	none	Score	222
Exons	128..361, 157..360, 161..364, 300..365, 436..612, 438..617, 440..613, 765..827		

Seq. No.	30896	Seq. ID	OJ990529_33.9A19.C2
Gene No.	63937	Strand	-
Start	2775	End	3491
Name	OJ990529_33.9A19.C2.o1.tm	Method	TBLASTX:Maize
Start	157	End	1330
GI	none	Score	255
Exons	157..357, 158..361, 162..365, 435..590, 437..613, 438..614, 526..615, 762..1073, 762..1073, 914..1114, 1156..1257, 1157..1234, 1252..1329, 1289..1330		

Seq. No.	30896	Seq. ID	OJ990529_33.9A19.C2
Gene No.	63937	Strand	-
Start	2775	End	3491
Name	OJ990529_33.9A19.C2.o1.ts	Method	TBLASTX:Soybean

Start	828	End	1326
GI	none	Score	196
Exons	828..1073, 853..1071, 903..1073, 1156..1326, 1157..1324		

Seq. No.	30896	Seq. ID	OJ990529_33.9A19.C2
Gene No.	63937	Strand	-
Start	2775	End	3491
Name	OJ990529_33.9A19.C2.o1.tc	Method	TBLASTX:Cress
Start	858	End	1326
GI	none	Score	203
Exons	858..1073, 859..1098, 1156..1245, 1157..1234, 1255..1326		

Seq. No.	30896	Seq. ID	OJ990529_33.9A19.C2
Gene No.	63937	Strand	-
Start	2775	End	3491
Name	OJ990529_33.9A19.C2.o2.gs	Method	GENSCAN
Start	2775	End	3491
GI	none	Score	.58
Exons	2775..2931, 3365..3491		

Seq. No.	30897	Seq. ID	OJ990529_33.9A19.C3
Gene No.	63938	Strand	+
Start	5207	End	6971
Name	OJ990529_33.9A19.C3.o3.gp	Method	AAT/GAP
Start	5158	End	6836
GI	20664_1.R1084	Score	842
Exons	5158..5258, 5346..5526, 6370..6511, 6632..6701, 6817..6836		
GI Descrip.	'4662633/gb|AAD26905.1|AC007267_5 2.0e-10 (AC007267) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	30897	Seq. ID	OJ990529_33.9A19.C3
Gene No.	63938	Strand	+
Start	5207	End	6971
Name	OJ990529_33.9A19.C3.o2.np	Method	AAT/NAP
Start	5189	End	6969
GI	6822058	Score	249
Exons	5189..5258, 5346..5526, 6370..6511, 6632..6701, 6817..6969		
GI Descrip.	(AL132957) putative protein [Arabidopsis thaliana]		

Seq. No.	30897	Seq. ID	OJ990529_33.9A19.C3
Gene No.	63938	Strand	+
Start	5207	End	6971
Name	OJ990529_33.9A19.C3.o2.gs	Method	GENSCAN
Start	5207	End	6971
GI	none	Score	.89
Exons	5207..5258, 5346..5526, 6370..6511, 6632..6701, 6817..6971		

Seq. No.	30897	Seq. ID	OJ990529_33.9A19.C3
Gene No.	63939	Strand	+
Start	10094	End	10261
Name	OJ990529_33.9A19.C3.o3.gs	Method	GENSCAN
Start	10094	End	10261
GI	none	Score	.49
Exons	10094..10261		

Seq. No.	30897	Seq. ID	OJ990529_33.9A19.C3
Gene No.	63940	Strand	-

Start	1	End	3897
Name	OJ990529_33.9A19.C3.o1.gp	Method	AAT/GAP
Start	1	End	1817
GI	1735_1.R1084	Score	1204
Exons	1..332, 771..985, 1625..1817		
GI Descrip.	'2633727/emb|CAB13229| 1.0e-23 (Z99111) ykrT [Bacillus subtilis]'		

Seq. No.	30897	Seq. ID	OJ990529_33.9A19.C3
Gene No.	63940	Strand	-
Start	1	End	3897
Name	OJ990529_33.9A19.C3.o1.tm	Method	TBLASTX:Maize
Start	153	End	2798
GI	none	Score	211
Exons	153..332, 158..334, 159..335, 763..987, 770..988, 771..992, 1625..1825, 1626..1829, 1630..1833, 1901..2056, 1903..2079, 1904..2080, 2228..2539, 2229..2537, 2279..2539, 2380..2580, 2624..2725, 2625..2702, 2720..2797, 2757..2798		

Seq. No.	30897	Seq. ID	OJ990529_33.9A19.C3
Gene No.	63940	Strand	-
Start	1	End	3897
Name	OJ990529_33.9A19.C3.o1.gs	Method	GENSCAN
Start	158	End	3897
GI	none	Score	.86
Exons	158..332, 646..729, 771..985, 1625..1826, 1904..2078, 2227..3024, 3780..3897		

Seq. No.	30897	Seq. ID	OJ990529_33.9A19.C3
Gene No.	63940	Strand	-
Start	1	End	3897
Name	OJ990529_33.9A19.C3.o1.np	Method	AAT/NAP
Start	161	End	2796
GI	2633727	Score	393
Exons	161..332, 771..826, 869..985, 1652..1826, 1904..2078, 2230..2536, 2624..2796		
GI Descrip.	(Z99111) ykrT [Bacillus subtilis]		

Seq. No.	30897	Seq. ID	OJ990529_33.9A19.C3
Gene No.	63940	Strand	-
Start	1	End	3897
Name	OJ990529_33.9A19.C3.o3.ts	Method	TBLASTX:Soybean
Start	170	End	340
GI	none	Score	78
Exons	170..340, 188..334, 189..335		

Seq. No.	30897	Seq. ID	OJ990529_33.9A19.C3
Gene No.	63940	Strand	-
Start	1	End	3897
Name	OJ990529_33.9A19.C3.o2.tc	Method	TBLASTX:Cress
Start	176	End	982
GI	none	Score	99
Exons	176..334, 192..344, 769..981, 770..982, 771..980		

Seq. No.	30897	Seq. ID	OJ990529_33.9A19.C3
Gene No.	63940	Strand	-
Start	1	End	3897

Name	OJ990529_33.9A19.C3.o2.ts	Method	TBLASTX:Soybean
Start	878	End	2293
GI	none	Score	87
Exons	878..988, 879..992, 1596..1829, 1625..1828, 1629..1832, 1904..2083, 1906..2079, 2231..2293		

Seq. No.	30897	Seq. ID	OJ990529_33.9A19.C3
Gene No.	63940	Strand	-
Start	1	End	3897
Name	OJ990529_33.9A19.C3.o1.ts	Method	TBLASTX:Soybean
Start	2294	End	2794
GI	none	Score	196
Exons	2294..2539, 2319..2537, 2369..2539, 2624..2794, 2625..2792		

Seq. No.	30897	Seq. ID	OJ990529_33.9A19.C3
Gene No.	63940	Strand	-
Start	1	End	3897
Name	OJ990529_33.9A19.C3.o1.tc	Method	TBLASTX:Cress
Start	2324	End	2794
GI	none	Score	203
Exons	2324..2539, 2325..2564, 2624..2713, 2625..2702, 2723..2794		

Seq. No.	30897	Seq. ID	OJ990529_33.9A19.C3
Gene No.	63940	Strand	-
Start	1	End	3897
Name	OJ990529_33.9A19.C3.o2.gp	Method	AAT/GAP
Start	2355	End	2961
GI	26361_1.R1084	Score	879
Exons	2355..2536, 2624..2961		
GI Descrip.	'2633727/emb|CAB13229| 7.0e-13 (Z99111) ykrT [Bacillus subtilis]'		

Seq. No.	30897	Seq. ID	OJ990529_33.9A19.C3
Gene No.	63941	Strand	
Start	5341	End	6997
Name	OJ990529_33.9A19.C3.o2.tm	Method	TBLASTX:Maize
Start	5341	End	6997
GI	none	Score	220
Exons	5341..5526, 5342..5527, 6362..6511, 6368..6523, 6442..6513, 6625..6705, 6631..6702, 6657..6791, 6813..6971, 6815..6985, 6818..6997		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63942	Strand	+
Start	1	End	2864
Name	OJ990529_33.9A19.C4.o1.np	Method	AAT/NAP
Start	1	End	2864
GI	3157926	Score	422
Exons	1..771, 2743..2864		
GI Descrip.	(AC002131) Strong similarity to extensin-like protein gb|Z34465 from Zea mays. [Arabidopsis thaliana]		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63942	Strand	+
Start	1	End	2864
Name	OJ990529_33.9A19.C4.o1.gs	Method	GENSCAN
Start	54	End	845

GI	none	Score	.5
Exons	54..296, 322..771, 807..845		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63943	Strand	+
Start	5422	End	6280
Name	OJ990529_33.9A19.C4.o3.gs	Method	GENSCAN
Start	5422	End	6280
GI	none	Score	.42
Exons	5422..5581, 5710..5785, 6133..6280		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63944	Strand	+
Start	6609	End	9980
Name	OJ990529_33.9A19.C4.o3.np	Method	AAT/NAP
Start	6609	End	9897
GI	6907089	Score	4937
Exons	6609..7870, 7966..9897		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63944	Strand	+
Start	6609	End	9980
Name	OJ990529_33.9A19.C4.o4.gs	Method	GENSCAN
Start	6609	End	9980
GI	none	Score	.88
Exons	6609..7870, 7966..9886, 9951..9980		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63945	Strand	+
Start	16755	End	17040
Name	OJ990529_33.9A19.C4.o5.np	Method	AAT/NAP
Start	16755	End	17040
GI	5922623	Score	60
Exons	16755..16840, 16982..17040		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63946	Strand	-
Start	1171	End	4573
Name	OJ990529_33.9A19.C4.o1.gp	Method	AAT/GAP
Start	1171	End	4573
GI	559_1.R1084	Score	3352
Exons	1171..1500, 1811..2278, 2355..2495, 2592..2830, 3960..4573		
GI Descrip.	'129232/sp|P25777|ORYB_ORYSA 0.0e+00 ORYZAIN BETA CHAIN PRECURSOR >gi_67645_pir__KHRZOB oryzain (EC 3.4.22.-) beta precursor - rice >gi_218183_dbj_BAA14403_ (D90407) oryzain beta precursor [Oryza sativa]'		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63946	Strand	-
Start	1171	End	4573
Name	OJ990529_33.9A19.C4.o2.np	Method	AAT/NAP
Start	1419	End	4446
GI	129232	Score	2365

Exons	1419..1500, 1811..2278, 2355..2495, 2592..2830, 3960..4446
GI Descrip.	ORYZAIN BETA CHAIN PRECURSOR gi|67645|pir||KHRZOB oryzain (EC 3.4.22.-) beta precursor - rice gi|218183|dbj|BAA14403.1| (D90407) oryzain beta precursor [Oryza sativa]

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63946	Strand	-
Start	1171	End	4573
Name	OJ990529_33.9A19.C4.o2.gs	Method	GENSCAN
Start	1435	End	4446
GI	none	Score	.78
Exons	1435..1500, 1811..2278, 2355..2495, 2592..2806, 3960..4446		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o6.tm	Method	TBLASTX:Maize
Start	2	End	148
GI	none	Score	223
Exons	2..148, 3..143		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o2.ts	Method	TBLASTX:Soybean
Start	5	End	744
GI	none	Score	59
Exons	5..46, 6..47, 60..281, 65..127, 363..647, 364..636, 646..744		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o10.tw	Method	TBLASTX:Wheat
Start	30	End	5425
GI	none	Score	60
Exons	30..137, 185..280, 189..281, 279..458, 301..459, 301..369, 5345..5425		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o3.tm	Method	TBLASTX:Maize
Start	228	End	753
GI	none	Score	48
Exons	228..281, 298..579, 300..578, 403..585, 646..753, 646..750		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o2.tc	Method	TBLASTX:Cress
Start	279	End	642
GI	none	Score	73
Exons	279..356, 298..354, 363..578, 367..579, 382..558, 592..642		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183

Name	OJ990529_33.9A19.C4.o1.tm	Method	TBLASTX:Maize
Start	1378	End	4396
GI	none	Score	39
Exons	1378..1440, 1424..1501, 1425..1502, 1426..1539, 1813..1998, 1814..1999, 1816..2007, 2060..2278, 2061..2279, 2353..2493, 2355..2495, 2355..2495, 2592..2831, 2593..2832, 2593..2832, 3941..4000, 3958..4032, 4027..4074, 4043..4060, 4066..4158, 4076..4144, 4159..4242, 4181..4264, 4267..4317, 4267..4317, 4309..4374, 4328..4396		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o9.tw	Method	TBLASTX:Wheat
Start	1450	End	1977
GI	none	Score	94
Exons	1450..1500, 1799..1972, 1810..1977		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o1.tc	Method	TBLASTX:Cress
Start	1451	End	4389
GI	none	Score	65
Exons	1451..1501, 1813..1980, 1817..1990, 2052..2216, 2060..2278, 2061..2279, 2344..2493, 2353..2493, 2355..2495, 2355..2495, 2589..2717, 2593..2742, 2593..2700, 2601..2714, 2721..2831, 2725..2832, 3958..4068, 4072..4155, 4085..4138, 4174..4323, 4181..4240, 4342..4389, 4343..4384		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o1.ts	Method	TBLASTX:Soybean
Start	1817	End	4389
GI	none	Score	52
Exons	1817..1996, 1819..1914, 1893..1997, 2060..2125, 2061..2126, 2126..2284, 2129..2272, 2151..2300, 2355..2495, 2371..2493, 2589..2720, 2592..2720, 2593..2760, 2724..2831, 2725..2832, 3956..3997, 3958..4068, 4066..4155, 4073..4141, 4168..4242, 4181..4243, 4345..4389		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o6.tw	Method	TBLASTX:Wheat
Start	2138	End	4239
GI	none	Score	61
Exons	2138..2200, 2138..2236, 2210..2290, 2382..2480, 2601..2714, 2730..2828, 3967..4035, 4096..4155, 4168..4239		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o3.tw	Method	TBLASTX:Wheat
Start	8450	End	14893
GI	none	Score	54

Exons	8450..8527, 14407..14892, 14438..14698, 14720..14893		
Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o5.gs	Method	GENSCAN
Start	10525	End	11826
GI	none	Score	.95
Exons	10525..11826		
Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o8.tm	Method	TBLASTX:Maize
Start	10525	End	10668
GI	none	Score	129
Exons	10525..10668, 10529..10663		
Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o4.np	Method	AAT/NAP
Start	10528	End	16172
GI	6498441	Score	6828
Exons	10528..10809, 10903..12300, 12472..12854, 13047..13386, 13560..13694, 13878..14250, 14314..14777, 15108..16172		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o8.tw	Method	TBLASTX:Wheat
Start	10537	End	11116
GI	none	Score	75
Exons	10537..10662, 10541..10663, 10723..11091, 10855..11115, 10856..11113, 10856..11116		
Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o4.tw	Method	TBLASTX:Wheat
Start	11120	End	11521
GI	none	Score	171
Exons	11120..11419, 11140..11520, 11179..11520, 11465..11521		
Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o4.tm	Method	TBLASTX:Maize
Start	11335	End	11658
GI	none	Score	214
Exons	11335..11658, 11348..11629		
Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-

Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o11.tw	Method	TBLASTX:Wheat
Start	11851	End	12163
GI	none	Score	64
Exons	11851..12120, 11987..12163		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o4.ts	Method	TBLASTX:Soybean
Start	11911	End	12477
GI	5666795	Score	68
Exons	11911..12117, 12166..12303, 12379..12477		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o5.tw	Method	TBLASTX:Wheat
Start	12166	End	12624
GI	none	Score	78
Exons	12166..12315, 12167..12304, 12349..12600, 12350..12547, 12370..12624		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o3.ts	Method	TBLASTX:Soybean
Start	13125	End	13594
GI	none	Score	80
Exons	13125..13166, 13224..13454, 13451..13594, 13452..13577		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o2.tw	Method	TBLASTX:Wheat
Start	13254	End	13673
GI	none	Score	117
Exons	13254..13460, 13261..13434, 13442..13672, 13443..13673		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o5.tm	Method	TBLASTX:Maize
Start	13347	End	13730
GI	none	Score	198
Exons	13347..13457, 13445..13729, 13446..13730		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o2.tm	Method	TBLASTX:Maize
Start	13757	End	14113
GI	none	Score	124
Exons	13757..14062, 13757..14113, 13767..14078		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4

Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o1.tw	Method	TBLASTX:Wheat
Start	13781	End	14241
GI	none	Score	314
Exons	13781..14182, 13788..14183, 13801..14193, 14173..14241		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o7.tw	Method	TBLASTX:Wheat
Start	15631	End	16183
GI	none	Score	86
Exons	15631..15888, 15710..15904, 15871..15969, 15872..15964, 15976..16023, 16148..16183		

Seq. No.	30898	Seq. ID	OJ990529_33.9A19.C4
Gene No.	63947	Strand	-
Start	10525	End	16183
Name	OJ990529_33.9A19.C4.o7.tm	Method	TBLASTX:Maize
Start	15733	End	16018
GI	none	Score	92
Exons	15733..15981, 15734..16018		

Seq. No.	30899	Seq. ID	OJ990529_33.9A19.C5
Gene No.	63948	Strand	+
Start	448	End	1129
Name	OJ990529_33.9A19.C5.o1.gs	Method	GENSCAN
Start	448	End	1129
GI	none	Score	.66
Exons	448..616, 943..1129		

Seq. No.	30899	Seq. ID	OJ990529_33.9A19.C5
Gene No.	63949	Strand	+
Start	2574	End	2729
Name	OJ990529_33.9A19.C5.o2.gs	Method	GENSCAN
Start	2574	End	2729
GI	none	Score	.51
Exons	2574..2729		

Seq. No.	30899	Seq. ID	OJ990529_33.9A19.C5
Gene No.	63950	Strand	-
Start	3061	End	3389
Name	OJ990529_33.9A19.C5.o3.gs	Method	GENSCAN
Start	3061	End	3389
GI	none	Score	.83
Exons	3061..3389		

Seq. No.	30900	Seq. ID	OJ990529_33.9A19.C6
Gene No.	63951	Strand	-
Start	1	End	2592
Name	OJ990529_33.9A19.C6.o1.np	Method	AAT/NAP
Start	1	End	2592
GI	5091513	Score	2900
Exons	1..686, 783..2592		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	30901	Seq. ID	OJ990529_33.9A19.C7
Gene No.	63952	Strand	-
Start	203	End	445
Name	OJ990529_33.9A19.C7.o1.gp	Method	AAT/GAP
Start	203	End	445
GI	2797265	Score	470
Exons	203..445		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63953	Strand	+
Start	1	End	5021
Name	OJ990529_33.9A19.C8.o1.gp	Method	AAT/GAP
Start	1	End	694
GI	2516_1.R1084	Score	1040
Exons	1..33, 132..694		
GI Descrip.	'4531444/gb|AAD22129.1|AC006224_11 1.0e-160 (AC006224) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63953	Strand	+
Start	1	End	5021
Name	OJ990529_33.9A19.C8.o1.np	Method	AAT/NAP
Start	1	End	449
GI	4531444	Score	283
Exons	1..33, 132..449		
GI Descrip.	(AC006224) putative amine oxidase [Arabidopsis thaliana]		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63953	Strand	+
Start	1	End	5021
Name	OJ990529_33.9A19.C8.o1.gs	Method	GENSCAN
Start	59	End	4809
GI	none	Score	.81
Exons	59..239, 1520..1820, 2051..2188, 2539..2743, 2832..2945, 3041..3128, 3247..3332, 3438..3540, 3688..3785, 3949..4378, 4498..4809		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63953	Strand	+
Start	1	End	5021
Name	OJ990529_33.9A19.C8.o2.gp	Method	AAT/GAP
Start	1731	End	2913
GI	29451_1.R1084	Score	1380
Exons	1731..2188, 2539..2743, 2832..2913		
GI Descrip.	'4531444/gb|AAD22129.1|AC006224_11 6.0e-12 (AC006224) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63953	Strand	+
Start	1	End	5021
Name	OJ990529_33.9A19.C8.o2.np	Method	AAT/NAP
Start	1756	End	4806
GI	4531444	Score	1323
Exons	1756..1814, 2558..2743, 2832..2945, 3041..3128, 3247..3332, 3438..3540, 3688..3785, 3949..4378, 4498..4806		
GI Descrip.	(AC006224) putative amine oxidase [Arabidopsis thaliana]		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63953	Strand	+
Start	1	End	5021
Name	OJ990529_33.9A19.C8.o3.gp	Method	AAT/GAP
Start	4509	End	5021
GI	19075_1.R1084	Score	947
Exons	4509..5021		
GI Descrip.	'4531444/gb|AAD22129.1|AC006224_11 2.0e-09 (AC006224) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63954	Strand	+
Start	6051	End	8140
Name	OJ990529_33.9A19.C8.o3.np	Method	AAT/NAP
Start	6030	End	8140
GI	6063552	Score	871
Exons	6030..6407, 6753..6936, 7377..7649, 8000..8140		
GI Descrip.	(AP000615) ESTs AU065232(E60855),C23624(S1554), AU078241(E60855) correspond to a region of the predicted gene.; similar to putative adenylate kinase. (AC005896) [Oryza sativa]		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63954	Strand	+
Start	6051	End	8140
Name	OJ990529_33.9A19.C8.o2.gs	Method	GENSCAN
Start	6051	End	8140
GI	none	Score	.78
Exons	6051..6128, 6263..6523, 6796..6936, 7377..7649, 8000..8140		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63954	Strand	+
Start	6051	End	8140
Name	OJ990529_33.9A19.C8.o4.gp	Method	AAT/GAP
Start	6234	End	6944
GI	2431503	Score	466
Exons	6234..6353, 6796..6944		
GI Descrip.	4056480 4.0e-29 (AC005896) putative adenylate kinase [Arabidopsis thaliana]		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63955	Strand	+
Start	11689	End	13724
Name	OJ990529_33.9A19.C8.o4.gs	Method	GENSCAN
Start	11689	End	13724
GI	none	Score	.83
Exons	11689..12523, 13387..13724		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63955	Strand	+
Start	11689	End	13724
Name	OJ990529_33.9A19.C8.o4.np	Method	AAT/NAP
Start	11833	End	13709
GI	6692131	Score	525
Exons	11833..12516, 12902..13024, 13387..13709		
GI Descrip.	(AC007654) T19E23.10 [Arabidopsis thaliana]		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8

Gene No.	63956	Strand	+
Start	22261	End	22939
Name	OJ990529_33.9A19.C8.o6.gs	Method	GENSCAN
Start	22261	End	22776
GI	none	Score	.63
Exons	22261..22539, 22645..22776		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63956	Strand	+
Start	22261	End	22939
Name	OJ990529_33.9A19.C8.o5.gp	Method	AAT/GAP
Start	22572	End	22939
GI	none	Score	696
Exons	22572..22939		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63957	Strand	+
Start	30215	End	33573
Name	OJ990529_33.9A19.C8.o6.np	Method	AAT/NAP
Start	30215	End	33570
GI	5091619	Score	1339
Exons	30215..30830, 31662..31915, 33022..33570		
GI Descrip.	(AC007454) F23M19.7 [Arabidopsis thaliana]		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63957	Strand	+
Start	30215	End	33573
Name	OJ990529_33.9A19.C8.o8.gs	Method	GENSCAN
Start	33055	End	33573
GI	none	Score	.43
Exons	33055..33573		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63958	Strand	+
Start	36414	End	36503
Name	OJ990529_33.9A19.C8.o10.gp	Method	AAT/GAP
Start	36414	End	36503
GI	LIB3477-003-P1-K1-E9	Score	103
Exons	36414..36503		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63959	Strand	-
Start	9346	End	9952
Name	OJ990529_33.9A19.C8.o3.gs	Method	GENSCAN
Start	9346	End	9952
GI	none	Score	.71
Exons	9346..9537, 9854..9952		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63960	Strand	-
Start	17079	End	32211
Name	OJ990529_33.9A19.C8.o5.np	Method	AAT/NAP
Start	17079	End	28941
GI	2244781	Score	404

Exons	17079..17126, 22825..22991, 23072..23381, 25277..25374, 25530..25673, 26079..26117, 26688..26825, 28371..28436, 28681..28755, 28837..28941		
GI Descrip.	(Z97335) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63960	Strand	-
Start	17079	End	32211
Name	OJ990529_33.9A19.C8.o7.gs	Method	GENSCAN
Start	22827	End	32211
GI	none	Score	.71
Exons	22827..22991, 23072..23346, 24833..24877, 25272..25374, 25530..25673, 25871..25969, 26688..26850, 28369..28477, 28639..28807, 28837..29241, 29454..29659, 30166..30833, 32123..32211		
Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63960	Strand	-
Start	17079	End	32211
Name	OJ990529_33.9A19.C8.o6.gp	Method	AAT/GAP
Start	23161	End	25644
GI	LIB3431-052-P1-K1-E10	Score	719
Exons	23161..23346, 25272..25374, 25530..25644		
GI Descrip.	'2244781/emb|CAB10204.1| 5.0e-12 (Z97335) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63960	Strand	-
Start	17079	End	32211
Name	OJ990529_33.9A19.C8.o7.gp	Method	AAT/GAP
Start	28710	End	29073
GI	2311047	Score	502
Exons	28710..28755, 28837..29073		
Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63961	Strand	-
Start	33964	End	35790
Name	OJ990529_33.9A19.C8.o8.gp	Method	AAT/GAP
Start	33964	End	34863
GI	4715716	Score	1018
Exons	33964..34218, 34305..34419, 34545..34660, 34746..34863		
GI Descrip.	565652/dbj|D28135|HYMRUBSCO 2.0e-10 Hydrogenovibrio marinus gene for ribulose-bisphosphate carboxylase, complete cds		
Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63961	Strand	-
Start	33964	End	35790
Name	OJ990529_33.9A19.C8.o9.gs	Method	GENSCAN
Start	34020	End	35585
GI	none	Score	.97
Exons	34020..34218, 34395..34419, 34545..34660, 34746..34942, 35406..35585		
Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63961	Strand	-
Start	33964	End	35790
Name	OJ990529_33.9A19.C8.o9.gp	Method	AAT/GAP

Start	34987	End	35790
GI	LIB3432-014-P1-K1-E9	Score	798
Exons	34987..35036, 35406..35790		
GI Descrip.	'565652/dbj|D28135|HYMRUBSCO 2.0e-10 Hydrogenovibrio marinus gene for ribulose-bisphosphate carboxylase, complete cds'		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o1.tm	Method	TBLASTX:Maize
Start	1	End	4826
GI	none	Score	50
Exons	1..33, 135..386, 137..385, 143..451, 404..469, 1857..1880, 1884..1988, 1885..1968, 1956..1988, 2537..2743, 2538..2744, 2538..2747, 2832..2945, 2833..2943, 3038..3127, 3039..3128, 3043..3129, 3244..3333, 3245..3337, 3254..3328, 3436..3540, 3443..3541, 3443..3541, 3684..3785, 3685..3825, 3685..3786, 3947..4378, 4012..4377, 4496..4600, 4497..4808, 4498..4809, 4498..4809, 4707..4826		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o1.ts	Method	TBLASTX:Soybean
Start	131	End	4731
GI	none	Score	296
Exons	131..373, 132..395, 2565..2747, 2578..2760, 2628..2744, 2642..2764, 2832..2945, 2833..2943, 3244..3333, 3436..3540, 3685..3786, 3947..4381, 4015..4290, 4019..4357, 4501..4731, 4503..4697		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o4.tc	Method	TBLASTX:Cress
Start	131	End	4767
GI	none	Score	289
Exons	131..382, 132..383, 4298..4381, 4473..4748, 4501..4767		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o1.tw	Method	TBLASTX:Wheat
Start	2537	End	3279
GI	none	Score	197
Exons	2537..2590, 2538..2744, 2556..2735, 2642..2764, 2831..2938, 2833..2943, 2838..2945, 3038..3127, 3039..3128, 3244..3279		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o1.tc	Method	TBLASTX:Cress
Start	2628	End	4296
GI	none	Score	169
Exons	2628..2744, 2642..2743, 2832..2909, 2833..2910, 2905..2937, 2907..2930, 3039..3089, 3090..3134, 3253..3273, 3436..3540, 3685..3786, 3702..3776, 3911..4288, 3946..4143, 3947..4294,		

4015..4290, 4231..4296

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o2.ts	Method	TBLASTX:Soybean
Start	6203	End	8137
GI	none	Score	143
Exons	6203..6301, 6213..6302, 6793..6936, 6795..6941, 7376..7591, 7377..7649, 7380..7658, 8003..8137, 8005..8136		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o2.tc	Method	TBLASTX:Cress
Start	6216	End	8118
GI	none	Score	195
Exons	6216..6359, 6218..6346, 6781..6837, 6791..6835, 6835..6936, 6841..6936, 7365..7643, 7375..7638, 7377..7649, 8003..8110, 8005..8118		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o3.tm	Method	TBLASTX:Maize
Start	6766	End	8411
GI	none	Score	203
Exons	6766..6936, 6793..6936, 6794..6940, 6795..6941, 7375..7647, 7377..7649, 7377..7649, 7974..8096, 7998..8093, 8002..8136, 8003..8137, 8108..8146, 8108..8149, 8246..8293, 8257..8292, 8307..8411		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o3.tc	Method	TBLASTX:Cress
Start	11866	End	12141
GI	none	Score	114
Exons	11866..11946, 12003..12080, 12004..12141		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o6.tc	Method	TBLASTX:Cress
Start	22812	End	23188
GI	none	Score	71
Exons	22812..22961, 22825..22965, 22944..22994, 22945..22992, 23069..23173, 23076..23144, 23159..23188		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o2.tm	Method	TBLASTX:Maize
Start	22813	End	28951
GI	none	Score	180
Exons	22813..22992, 22833..22994, 22834..22992, 23069..23212, 23070..23147, 23072..23236, 23074..23244, 23076..23243,		

23261..23329, 23261..23326, 25255..25377, 25259..25375,
25530..25676, 25530..25673, 25622..25684, 25622..25675,
25852..25935, 25856..25939, 25868..25939, 25869..25940,
26037..26117, 26038..26118, 26041..26118, 26042..26119,
26681..26842, 26688..26843, 26688..26849, 26689..26847,
28374..28442, 28383..28448, 28428..28496, 28440..28496,
28510..28632, 28696..28770, 28697..28777, 28837..28950,
28844..28951

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o3.ts	Method	TBLASTX:Soybean
Start	22827	End	23206
GI	none	Score	169
Exons	22827..22994, 23069..23206		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o6.ts	Method	TBLASTX:Soybean
Start	25306	End	26771
GI	none	Score	120
Exons	25306..25377, 25530..25673, 25531..25665, 25549..25674, 25868..25939, 25869..25940, 26037..26117, 26038..26118, 26688..26771, 26689..26766		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o4.tm	Method	TBLASTX:Maize
Start	31694	End	33504
GI	none	Score	38
Exons	31694..31729, 31781..31834, 31871..31909, 33019..33411, 33108..33230, 33448..33504		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o5.tc	Method	TBLASTX:Cress
Start	33021	End	33408
GI	none	Score	280
Exons	33021..33230, 33022..33408		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o5.ts	Method	TBLASTX:Soybean
Start	33022	End	33267
GI	none	Score	215
Exons	33022..33267, 33120..33230, 33145..33255		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o2.tw	Method	TBLASTX:Wheat
Start	33039	End	33405

GI	none	Score	270
Exons	33039..33230, 33040..33405, 33124..33357		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o4.ts	Method	TBLASTX:Soybean
Start	34041	End	34880
GI	none	Score	89
Exons	34041..34217, 34054..34218, 34310..34426, 34311..34427, 34746..34880, 34748..34879		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o5.tm	Method	TBLASTX:Maize
Start	34105	End	34659
GI	none	Score	115
Exons	34105..34221, 34107..34232, 34304..34423, 34308..34421, 34316..34426, 34472..34528, 34543..34659, 34543..34659		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o6.tm	Method	TBLASTX:Maize
Start	34714	End	35039
GI	none	Score	118
Exons	34714..34875, 34736..34906, 34745..34888, 34746..34910, 34969..35034, 34969..35037, 34980..35039, 34989..35039		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o7.np	Method	AAT/NAP
Start	37276	End	37676
GI	129232	Score	214
Exons	37276..37354, 37548..37676		
GI Descrip.	ORYZAIN BETA CHAIN PRECURSOR gi|67645|pir||KHRZOB oryzain (EC 3.4.22.-) beta precursor - rice gi|218183|dbj|BAA14403.1| (D90407) oryzain beta precursor [Oryza sativa]		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o10.gs	Method	GENSCAN
Start	37287	End	37647
GI	none	Score	.98
Exons	37287..37354, 37548..37647		

Seq. No.	30902	Seq. ID	OJ990529_33.9A19.C8
Gene No.	63962	Strand	-
Start	37287	End	37676
Name	OJ990529_33.9A19.C8.o7.tm	Method	TBLASTX:Maize
Start	37540	End	37676
GI	none	Score	127
Exons	37540..37671, 37551..37676, 37553..37675		

Seq. No.	30903	Seq. ID	OJ990529_33.9A19.C9
Gene No.	63963	Strand	-
Start	1	End	695
Name	OJ990529_33.9A19.C9.o1.np	Method	AAT/NAP
Start	1	End	671
GI	129232	Score	742
Exons	1..671		
GI Descrip.	ORYZAIN BETA CHAIN PRECURSOR gi|67645|pir||KHRZOB oryzain (EC 3.4.22.-) beta precursor - rice gi|218183|dbj|BAA14403.1| (D90407) oryzain beta precursor [Oryza sativa]		

Seq. No.	30903	Seq. ID	OJ990529_33.9A19.C9
Gene No.	63963	Strand	-
Start	1	End	695
Name	OJ990529_33.9A19.C9.o1.gs	Method	GENSCAN
Start	32	End	695
GI	none	Score	.63
Exons	32..695		

Seq. No.	30903	Seq. ID	OJ990529_33.9A19.C9
Gene No.	63964	Strand	-
Start	873	End	1335
Name	OJ990529_33.9A19.C9.o1.tm	Method	TBLASTX:Maize
Start	1	End	587
GI	none	Score	231
Exons	1..282, 3..194, 195..239, 243..281, 270..365, 292..351, 366..446, 388..447, 495..587, 525..548		

Seq. No.	30903	Seq. ID	OJ990529_33.9A19.C9
Gene No.	63964	Strand	-
Start	873	End	1335
Name	OJ990529_33.9A19.C9.o1.tc	Method	TBLASTX:Cress
Start	3	End	446
GI	none	Score	96
Exons	3..47, 102..206, 103..195, 190..345, 195..362, 381..446		

Seq. No.	30903	Seq. ID	OJ990529_33.9A19.C9
Gene No.	63964	Strand	-
Start	873	End	1335
Name	OJ990529_33.9A19.C9.o1.ts	Method	TBLASTX:Soybean
Start	3	End	539
GI	none	Score	115
Exons	3..53, 102..206, 103..195, 195..239, 196..258, 292..348, 294..362, 375..446, 388..447, 498..539		

Seq. No.	30903	Seq. ID	OJ990529_33.9A19.C9
Gene No.	63964	Strand	-
Start	873	End	1335
Name	OJ990529_33.9A19.C9.o1.tw	Method	TBLASTX:Wheat
Start	3	End	315
GI	none	Score	110
Exons	3..47, 102..206, 103..315, 189..293		

Seq. No.	30903	Seq. ID	OJ990529_33.9A19.C9
Gene No.	63964	Strand	-
Start	873	End	1335
Name	OJ990529_33.9A19.C9.o2.gs	Method	GENSCAN

Start	873	End	1335
GI	none	Score	.67
Exons	873..1135, 1239..1335		

Seq. No.	30904	Seq. ID	OJ990529_33.9A19.C10
Gene No.	63965	Strand	+
Start	158	End	1777
Name	OJ990529_33.9A19.C10.o1.gs	Method	GENSCAN
Start	158	End	1777
GI	none	Score	.87
Exons	158..229, 564..713, 1330..1479, 1589..1777		

Seq. No.	30904	Seq. ID	OJ990529_33.9A19.C10
Gene No.	63965	Strand	+
Start	158	End	1777
Name	OJ990529_33.9A19.C10.o1.tm	Method	TBLASTX:Maize
Start	1142	End	1684
GI	none	Score	112
Exons	1142..1210, 1145..1207, 1146..1220, 1324..1476, 1327..1497, 1579..1674, 1581..1673, 1589..1684		

Seq. No.	30905	Seq. ID	OJ990529_33.9A19.C11
Gene No.	63966	Strand	+
Start	1	End	438
Name	OJ990529_33.9A19.C11.o1.np	Method	AAT/NAP
Start	1	End	438
GI	5091513	Score	611
Exons	1..438		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	30905	Seq. ID	OJ990529_33.9A19.C11
Gene No.	63966	Strand	+
Start	1	End	438
Name	OJ990529_33.9A19.C11.o1.gs	Method	GENSCAN
Start	79	End	391
GI	none	Score	.85
Exons	79..391		

Seq. No.	30906	Seq. ID	OJ990529_33.9A19.C12
Gene No.	63967	Strand	+
Start	1	End	204
Name	OJ990529_33.9A19.C12.o1.gp	Method	AAT/GAP
Start	1	End	204
GI	1735_1.R1084	Score	314
Exons	1..204		
GI Descrip.	'2633727/emb|CAB13229| 1.0e-23 (Z99111) ykrT [Bacillus subtilis]'		

Seq. No.	30906	Seq. ID	OJ990529_33.9A19.C12
Gene No.	63968	Strand	-
Start	1	End	473
Name	OJ990529_33.9A19.C12.o1.np	Method	AAT/NAP
Start	1	End	460
GI	2633727	Score	149
Exons	1..215, 294..460		
GI Descrip.	(Z99111) ykrT [Bacillus subtilis]		

Seq. No.	30906	Seq. ID	OJ990529_33.9A19.C12
Gene No.	63968	Strand	-
Start	1	End	473
Name	OJ990529_33.9A19.C12.o1.ts	Method	TBLASTX:Soybean
Start	3	End	473
GI	none	Score	211
Exons	3..218, 14..217, 18..221, 199..468, 294..473, 296..469		

Seq. No.	30906	Seq. ID	OJ990529_33.9A19.C12
Gene No.	63968	Strand	-
Start	1	End	473
Name	OJ990529_33.9A19.C12.o1.gs	Method	GENSCAN
Start	14	End	442
GI	none	Score	.72
Exons	14..215, 294..442		

Seq. No.	30906	Seq. ID	OJ990529_33.9A19.C12
Gene No.	63968	Strand	-
Start	1	End	473
Name	OJ990529_33.9A19.C12.o1.tm	Method	TBLASTX:Maize
Start	14	End	470
GI	none	Score	242
Exons	14..214, 15..218, 293..469, 294..470		

Seq. No.	30907	Seq. ID	OJ990529_33.9A19.C15
Gene No.	63969	Strand	+
Start	1	End	180
Name	OJ990529_33.9A19.C15.o1.np	Method	AAT/NAP
Start	1	End	180
GI	6539586	Score	284
Exons	1..180		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	30907	Seq. ID	OJ990529_33.9A19.C15
Gene No.	63970	Strand	-
Start	122	End	175
Name	OJ990529_33.9A19.C15.o1.gs	Method	GENSCAN
Start	122	End	175
GI	none	Score	.43
Exons	122..175		

Seq. No.	30908	Seq. ID	OJ990529_33.9A19.C16
Gene No.	63971	Strand	+
Start	13	End	563
Name	OJ990529_33.9A19.C16.o1.gp	Method	AAT/GAP
Start	13	End	563
GI	none	Score	948
Exons	13..563		

Seq. No.	30908	Seq. ID	OJ990529_33.9A19.C16
Gene No.	63972	Strand	-
Start	93	End	563
Name	OJ990529_33.9A19.C16.o1.gs	Method	GENSCAN
Start	93	End	503
GI	none	Score	.81
Exons	93..101, 255..503		

Seq. No.	30908	Seq. ID	OJ990529_33.9A19.C16
Gene No.	63972	Strand	-
Start	93	End	563
Name	OJ990529_33.9A19.C16.o1.np	Method	AAT/NAP
Start	261	End	563
GI	2829922	Score	80
Exons	261..563		
GI Descrip.	(AC002291) extensin [Arabidopsis thaliana]		

Seq. No.	30909	Seq. ID	OJ990529_33.9A19.C17
Gene No.	63973	Strand	+
Start	1	End	386
Name	OJ990529_33.9A19.C17.o1.np	Method	AAT/NAP
Start	1	End	386
GI	5091513	Score	472
Exons	1..154, 186..386		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	30909	Seq. ID	OJ990529_33.9A19.C17
Gene No.	63973	Strand	+
Start	1	End	386
Name	OJ990529_33.9A19.C17.o1.gs	Method	GENSCAN
Start	137	End	318
GI	none	Score	.75
Exons	137..318		

Seq. No.	30910	Seq. ID	OJ990519_24.9A20.C3
Gene No.	63974	Strand	+
Start	120	End	218
Name	OJ990519_24.9A20.C3.o1.gs	Method	GENSCAN
Start	120	End	218
GI	none	Score	.89
Exons	120..218		

Seq. No.	30911	Seq. ID	OJ990519_24.9A20.C5
Gene No.	63975	Strand	+
Start	2640	End	5541
Name	OJ990519_24.9A20.C5.o1.gs	Method	GENSCAN
Start	2640	End	5529
GI	none	Score	.85
Exons	2640..3387, 4259..4465, 4546..4682, 4768..5529		

Seq. No.	30911	Seq. ID	OJ990519_24.9A20.C5
Gene No.	63975	Strand	+
Start	2640	End	5541
Name	OJ990519_24.9A20.C5.o2.np	Method	AAT/NAP
Start	2841	End	5541
GI	6562315	Score	308
Exons	2841..2872, 3017..3345, 4280..4425, 4554..4682, 4768..5541		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	30911	Seq. ID	OJ990519_24.9A20.C5
Gene No.	63975	Strand	+
Start	2640	End	5541
Name	OJ990519_24.9A20.C5.o2.gp	Method	AAT/GAP
Start	4532	End	4908
GI	none	Score	514

Exons	4532..4682, 4768..4908		
Seq. No.	30911	Seq. ID	OJ990519_24.9A20.C5
Gene No.	63976	Strand	+
Start	10479	End	11039
Name	OJ990519_24.9A20.C5.o3.gs	Method	GENSCAN
Start	10479	End	11039
GI	none	Score	.7
Exons	10479..10531, 10550..10674, 10709..10786, 10933..11039		
Seq. No.	30911	Seq. ID	OJ990519_24.9A20.C5
Gene No.	63977	Strand	-
Start	735	End	827
Name	OJ990519_24.9A20.C5.o1.gp	Method	AAT/GAP
Start	735	End	827
GI	5867_1.R1084	Score	130
Exons	735..827		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		
Seq. No.	30911	Seq. ID	OJ990519_24.9A20.C5
Gene No.	63978	Strand	-
Start	5058	End	5622
Name	OJ990519_24.9A20.C5.o3.gp	Method	AAT/GAP
Start	5058	End	5622
GI	jC-osleLIB3474037e05a1	Score	1130
Exons	5058..5622		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		
Seq. No.	30911	Seq. ID	OJ990519_24.9A20.C5
Gene No.	63979	Strand	-
Start	6462	End	7774
Name	OJ990519_24.9A20.C5.o2.gs	Method	GENSCAN
Start	6462	End	7774
GI	none	Score	.4
Exons	6462..6559, 6671..6712, 7690..7774		
Seq. No.	30911	Seq. ID	OJ990519_24.9A20.C5
Gene No.	63980	Strand	-
Start	12206	End	12514
Name	OJ990519_24.9A20.C5.o1.tw	Method	TBLASTX:Wheat
Start	3062	End	4337
GI	none	Score	122
Exons	3062..3154, 3063..3155, 3067..3156, 3161..3316, 3161..3313, 3162..3323, 3364..3405, 4254..4337, 4257..4334		
Seq. No.	30911	Seq. ID	OJ990519_24.9A20.C5
Gene No.	63980	Strand	-
Start	12206	End	12514
Name	OJ990519_24.9A20.C5.o1.tm	Method	TBLASTX:Maize
Start	5209	End	5544

GI	none	Score	149
Exons	5209..5322, 5211..5309, 5307..5360, 5308..5385, 5313..5390, 5323..5397, 5324..5407, 5425..5520, 5437..5544, 5451..5522		

Seq. No.	30911	Seq. ID	OJ990519_24.9A20.C5
Gene No.	63980	Strand	-
Start	12206	End	12514
Name	OJ990519_24.9A20.C5.o4.gs	Method	GENSCAN
Start	12206	End	12514
GI	none	Score	1
Exons	12206..12514		

Seq. No.	30912	Seq. ID	OJ990519_24.9A20.C7
Gene No.	63981	Strand	-
Start	1	End	333
Name	OJ990519_24.9A20.C7.o1.np	Method	AAT/NAP
Start	1	End	333
GI	2498930	Score	124
Exons	1..54, 222..333		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	30913	Seq. ID	OJ990519_24.9A20.C8
Gene No.	63982	Strand	+
Start	1	End	534
Name	OJ990519_24.9A20.C8.o1.np	Method	AAT/NAP
Start	1	End	534
GI	2443320	Score	637
Exons	1..534		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	30913	Seq. ID	OJ990519_24.9A20.C8
Gene No.	63982	Strand	+
Start	1	End	534
Name	OJ990519_24.9A20.C8.o1.tw	Method	TBLASTX:Wheat
Start	13	End	297
GI	none	Score	201
Exons	13..294, 160..297		

Seq. No.	30914	Seq. ID	OJ990519_24.9A20.C9
Gene No.	63983	Strand	-
Start	1	End	415
Name	OJ990519_24.9A20.C9.o1.gp	Method	AAT/GAP
Start	1	End	415
GI	2428323	Score	790
Exons	1..415		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	30915	Seq. ID	OJ990519_24.9A20.C10
Gene No.	63984	Strand	-
Start	1	End	496
Name	OJ990519_24.9A20.C10.o1.np	Method	AAT/NAP
Start	1	End	496
GI	5733880	Score	120
Exons	1..248, 360..496		
GI Descrip.	(AC007932) F11A17.16 [Arabidopsis thaliana]		

Seq. No.	30916	Seq. ID	OJ990519_24.9A20.C13
Gene No.	63985	Strand	-
Start	338	End	749
Name	OJ990519_24.9A20.C13.o1.np	Method	AAT/NAP
Start	338	End	749
GI	6063554	Score	127
Exons	338..510, 613..749		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30916	Seq. ID	OJ990519_24.9A20.C13
Gene No.	63985	Strand	-
Start	338	End	749
Name	OJ990519_24.9A20.C13.o2.gp	Method	AAT/GAP
Start	498	End	749
GI	2428185	Score	457
Exons	498..749		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	30917	Seq. ID	OJ990519_24.9A20.C14
Gene No.	63986	Strand	+
Start	742	End	1026
Name	OJ990519_24.9A20.C14.o1.gs	Method	GENSCAN
Start	742	End	1026
GI	none	Score	.44
Exons	742..1026		

Seq. No.	30917	Seq. ID	OJ990519_24.9A20.C14
Gene No.	63987	Strand	-
Start	760	End	982
Name	OJ990519_24.9A20.C14.o1.np	Method	AAT/NAP
Start	760	End	982
GI	5295951	Score	193
Exons	760..982		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	30918	Seq. ID	OJ990519_24.9A20.C17
Gene No.	63988	Strand	+
Start	1	End	655
Name	OJ990519_24.9A20.C17.o1.np	Method	AAT/NAP
Start	1	End	655
GI	4567249	Score	72
Exons	1..93, 539..655		
GI Descrip.	(AC007070) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30918	Seq. ID	OJ990519_24.9A20.C17
Gene No.	63989	Strand	-
Start	123	End	609
Name	OJ990519_24.9A20.C17.o1.gs	Method	GENSCAN
Start	123	End	609
GI	none	Score	.63
Exons	123..226, 562..609		

Seq. No.	30919	Seq. ID	OJ990519_24.9A20.C18
Gene No.	63990	Strand	+
Start	1	End	1121
Name	OJ990519_24.9A20.C18.o1.np	Method	AAT/NAP
Start	1	End	1121
GI	6498441	Score	1380
Exons	1..191, 363..1121		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	30919	Seq. ID	OJ990519_24.9A20.C18
Gene No.	63990	Strand	+
Start	1	End	1121
Name	OJ990519_24.9A20.C18.o1.tw	Method	TBLASTX:Wheat
Start	63	End	497
GI	none	Score	234
Exons	63..314, 63..305, 128..313, 182..328, 348..497, 357..494, 359..496		

Seq. No.	30919	Seq. ID	OJ990519_24.9A20.C18
Gene No.	63990	Strand	+
Start	1	End	1121
Name	OJ990519_24.9A20.C18.o1.gs	Method	GENSCAN
Start	396	End	1001
GI	none	Score	.73
Exons	396..551, 618..1001		

Seq. No.	30920	Seq. ID	OJ990519_24.9A20.C19
Gene No.	63991	Strand	+
Start	1	End	936
Name	OJ990519_24.9A20.C19.o1.np	Method	AAT/NAP
Start	1	End	829
GI	4680179	Score	446
Exons	1..829		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	30920	Seq. ID	OJ990519_24.9A20.C19
Gene No.	63991	Strand	+
Start	1	End	936
Name	OJ990519_24.9A20.C19.o1.gs	Method	GENSCAN
Start	158	End	936
GI	none	Score	.43
Exons	158..936		

Seq. No.	30920	Seq. ID	OJ990519_24.9A20.C19
Gene No.	63991	Strand	+
Start	1	End	936
Name	OJ990519_24.9A20.C19.o1.tm	Method	TBLASTX:Maize
Start	229	End	540
GI	none	Score	206
Exons	229..489, 243..404, 454..540		

Seq. No.	30920	Seq. ID	OJ990519 24.9A20.C19
Gene No.	63991	Strand	+
Start	1	End	936
Name	OJ990519_24.9A20.C19.o1.tw	Method	TBLASTX:Wheat

Start	229	End	523
GI	none	Score	248
Exons	229..489, 243..419, 458..523		

Seq. No.	30921	Seq. ID	OJ990519_24.9A20.C20
Gene No.	63992	Strand	-
Start	1493	End	2042
Name	OJ990519_24.9A20.C20.o1.gs	Method	GENSCAN
Start	1493	End	1877
GI	none	Score	.92
Exons	1493..1817, 1822..1877		

Seq. No.	30921	Seq. ID	OJ990519_24.9A20.C20
Gene No.	63992	Strand	-
Start	1493	End	2042
Name	OJ990519_24.9A20.C20.o1.np	Method	AAT/NAP
Start	1567	End	2042
GI	5852180	Score	306
Exons	1567..2042		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	30922	Seq. ID	OJ990519_24.9A20.C22
Gene No.	63993	Strand	+
Start	1	End	600
Name	OJ990519_24.9A20.C22.o1.np	Method	AAT/NAP
Start	1	End	600
GI	6498441	Score	996
Exons	1..600		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	30922	Seq. ID	OJ990519_24.9A20.C22
Gene No.	63994	Strand	-
Start	21	End	548
Name	OJ990519_24.9A20.C22.o1.gs	Method	GENSCAN
Start	21	End	544
GI	none	Score	.72
Exons	21..544		

Seq. No.	30922	Seq. ID	OJ990519_24.9A20.C22
Gene No.	63994	Strand	-
Start	21	End	548
Name	OJ990519_24.9A20.C22.o1.tm	Method	TBLASTX:Maize
Start	30	End	392
GI	none	Score	355
Exons	30..353, 59..340, 345..392		

Seq. No.	30922	Seq. ID	OJ990519_24.9A20.C22
Gene No.	63994	Strand	-
Start	21	End	548
Name	OJ990519_24.9A20.C22.o1.tw	Method	TBLASTX:Wheat
Start	167	End	548
GI	none	Score	364
Exons	167..223, 168..548, 168..509, 269..517		

Seq. No.	30923	Seq. ID	OJ990519_24.9A20.C23

Gene No.	63995	Strand	-
Start	1	End	103
Name	OJ990519_24.9A20.C23.o1.np	Method	AAT/NAP
Start	1	End	103
GI	5803259	Score	151
Exons	1..103		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	30924	Seq. ID	OJ990519_24.9A20.C24
Gene No.	63996	Strand	+
Start	1	End	603
Name	OJ990519_24.9A20.C24.o1.np	Method	AAT/NAP
Start	1	End	559
GI	6562770	Score	226
Exons	1..267, 480..559		
GI Descrip.	(AJ251535) putative cathepsin B-like protease [Pisum sativum]		

Seq. No.	30924	Seq. ID	OJ990519_24.9A20.C24
Gene No.	63996	Strand	+
Start	1	End	603
Name	OJ990519_24.9A20.C24.o1.tm	Method	TBLASTX:Maize
Start	110	End	603
GI	none	Score	146
Exons	110..265, 111..272, 113..265, 114..266, 442..603, 443..559		

Seq. No.	30924	Seq. ID	OJ990519_24.9A20.C24
Gene No.	63996	Strand	+
Start	1	End	603
Name	OJ990519_24.9A20.C24.o1.gp	Method	AAT/GAP
Start	111	End	559
GI	2981_1.R1084	Score	424
Exons	111..269, 482..559		
GI Descrip.	'21693/emb|CAA46810| 1.0e-152 (X66012) cathepsin B [Triticum aestivum]'		

Seq. No.	30924	Seq. ID	OJ990519_24.9A20.C24
Gene No.	63996	Strand	+
Start	1	End	603
Name	OJ990519_24.9A20.C24.o1.gs	Method	GENSCAN
Start	111	End	267
GI	none	Score	.47
Exons	111..267		

Seq. No.	30925	Seq. ID	OJ990519_24.9A20.C25
Gene No.	63997	Strand	+
Start	1	End	585
Name	OJ990519_24.9A20.C25.o1.np	Method	AAT/NAP
Start	1	End	229
GI	21699	Score	128
Exons	1..229		
GI Descrip.	(X66013) cathepsin B [Triticum aestivum]		

Seq. No.	30925	Seq. ID	OJ990519_24.9A20.C25
Gene No.	63997	Strand	+
Start	1	End	585
Name	OJ990519_24.9A20.C25.o1.gp	Method	AAT/GAP
Start	104	End	585

GI	2981_1.R1084	Score	926
Exons	104..585		
GI Descrip.	'21693/emb|CAA46810| 1.0e-152 (X66012) cathepsin B [Triticum aestivum]'		

Seq. No.	30925	Seq. ID	OJ990519_24.9A20.C25
Gene No.	63997	Strand	+
Start	1	End	585
Name	OJ990519_24.9A20.C25.o1.gs	Method	GENSCAN
Start	104	End	238
GI	none	Score	.69
Exons	104..238		

Seq. No.	30925	Seq. ID	OJ990519_24.9A20.C25
Gene No.	63998	Strand	-
Start	738	End	1906
Name	OJ990519_24.9A20.C25.o2.gp	Method	AAT/GAP
Start	738	End	1487
GI	none	Score	1392
Exons	738..1487		

Seq. No.	30925	Seq. ID	OJ990519_24.9A20.C25
Gene No.	63998	Strand	-
Start	738	End	1906
Name	OJ990519_24.9A20.C25.o2.gs	Method	GENSCAN
Start	1066	End	1814
GI	none	Score	.77
Exons	1066..1497, 1570..1814		

Seq. No.	30925	Seq. ID	OJ990519_24.9A20.C25
Gene No.	63998	Strand	-
Start	738	End	1906
Name	OJ990519_24.9A20.C25.o2.np	Method	AAT/NAP
Start	1144	End	1906
GI	6957733	Score	566
Exons	1144..1906		
GI Descrip.	(AC021640) unknown protein [Arabidopsis thaliana]		

Seq. No.	30925	Seq. ID	OJ990519_24.9A20.C25
Gene No.	63998	Strand	-
Start	738	End	1906
Name	OJ990519_24.9A20.C25.o1.ts	Method	TBLASTX:Soybean
Start	1159	End	1815
GI	none	Score	251
Exons	1159..1350, 1411..1728, 1415..1660, 1706..1768, 1708..1767, 1774..1815		

Seq. No.	30925	Seq. ID	OJ990519_24.9A20.C25
Gene No.	63998	Strand	-
Start	738	End	1906
Name	OJ990519_24.9A20.C25.o1.tm	Method	TBLASTX:Maize
Start	1196	End	1816
GI	none	Score	766
Exons	1196..1816, 1197..1307, 1198..1815, 1223..1816		

Seq. No.	30925	Seq. ID	OJ990519_24.9A20.C25
Gene No.	63998	Strand	-

Start	738	End	1906
Name	OJ990519_24.9A20.C25.o1.tc	Method	TBLASTX:Cress
Start	1330	End	1816
GI	none	Score	212
Exons	1330..1392, 1406..1693, 1408..1692, 1693..1815, 1715..1816		

Seq. No.	30925	Seq. ID	OJ990519_24.9A20.C25
Gene No.	63998	Strand	-
Start	738	End	1906
Name	OJ990519_24.9A20.C25.o3.gp	Method	AAT/GAP
Start	1508	End	1814
GI	none	Score	553
Exons	1508..1814		

Seq. No.	30926	Seq. ID	OJ990519_24.9A20.C26
Gene No.	63999	Strand	+
Start	233	End	316
Name	OJ990519_24.9A20.C26.o1.gs	Method	GENSCAN
Start	233	End	316
GI	none	Score	.52
Exons	233..316		

Seq. No.	30927	Seq. ID	OJ990519_24.9A20.C27
Gene No.	64000	Strand	+
Start	165	End	562
Name	OJ990519_24.9A20.C27.o1.gs	Method	GENSCAN
Start	165	End	562
GI	none	Score	.62
Exons	165..236, 296..562		

Seq. No.	30928	Seq. ID	OJ990519_24.9A20.C29
Gene No.	64001	Strand	-
Start	1	End	1273
Name	OJ990519_24.9A20.C29.o1.gp	Method	AAT/GAP
Start	1	End	103
GI	2280555	Score	145
Exons	1..103		
GI Descrip.	2506139/sp|P49661|COPD_ORYSA 3.0e-09 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]		

Seq. No.	30928	Seq. ID	OJ990519_24.9A20.C29
Gene No.	64001	Strand	-
Start	1	End	1273
Name	OJ990519_24.9A20.C29.o1.tm	Method	TBLASTX:Maize
Start	1	End	1211
GI	none	Score	91
Exons	1..90, 3..80, 172..279, 175..276, 176..280, 367..438, 368..424, 369..434, 787..966, 796..975, 797..976, 798..1019, 1064..1210, 1065..1211, 1065..1211		

Seq. No.	30928	Seq. ID	OJ990519_24.9A20.C29
Gene No.	64001	Strand	-
Start	1	End	1273
Name	OJ990519_24.9A20.C29.o2.gp	Method	AAT/GAP
Start	1	End	1212

GI	22086_1.R1084	Score	798
Exons	1..74, 178..274, 367..429, 799..952, 1063..1212		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 3.0e-09 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'		

Seq. No.	30928	Seq. ID	OJ990519_24.9A20.C29
Gene No.	64001	Strand	-
Start	1	End	1273
Name	OJ990519_24.9A20.C29.o1.np	Method	AAT/NAP
Start	1	End	1273
GI	2506139	Score	651
Exons	1..74, 178..274, 367..429, 799..952, 1063..1273		
GI Descrip.	COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) gi|1314049|emb|CAA91901| (Z67962) archain/delta-COP [Oryza sativa]		

Seq. No.	30928	Seq. ID	OJ990519_24.9A20.C29
Gene No.	64001	Strand	-
Start	1	End	1273
Name	OJ990519_24.9A20.C29.o1.ts	Method	TBLASTX:Soybean
Start	9	End	438
GI	none	Score	39
Exons	9..80, 153..179, 155..181, 166..276, 170..283, 173..277, 367..438, 368..430, 369..434		

Seq. No.	30928	Seq. ID	OJ990519_24.9A20.C29
Gene No.	64001	Strand	-
Start	1	End	1273
Name	OJ990519_24.9A20.C29.o1.tc	Method	TBLASTX:Cress
Start	45	End	1210
GI	none	Score	84
Exons	45..80, 175..264, 176..262, 367..438, 369..434, 787..948, 796..963, 798..1010, 801..950, 1127..1210		

Seq. No.	30928	Seq. ID	OJ990519_24.9A20.C29
Gene No.	64001	Strand	-
Start	1	End	1273
Name	OJ990519_24.9A20.C29.o1.gs	Method	GENSCAN
Start	47	End	952
GI	none	Score	.91
Exons	47..74, 178..274, 367..429, 799..952		

Seq. No.	30928	Seq. ID	OJ990519_24.9A20.C29
Gene No.	64001	Strand	-
Start	1	End	1273
Name	OJ990519_24.9A20.C29.o2.ts	Method	TBLASTX:Soybean
Start	796	End	1165
GI	none	Score	151
Exons	796..924, 796..921, 798..926, 930..1016, 1127..1165		

Seq. No.	30929	Seq. ID	OJ990519_24.9A20.C30
Gene No.	64002	Strand	-
Start	1	End	441
Name	OJ990519_24.9A20.C30.o1.np	Method	AAT/NAP
Start	1	End	420

GI	2506139	Score	333
Exons	1..47, 106..420		
GI Descrip.	COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) gi|1314049|emb|CAA91901| (Z67962) archain/delta-COP [Oryza sativa]		

Seq. No.	30929	Seq. ID	OJ990519_24.9A20.C30
Gene No.	64002	Strand	-
Start	1	End	441
Name	OJ990519_24.9A20.C30.o1.tm	Method	TBLASTX:Maize
Start	106	End	434
GI	none	Score	254
Exons	106..375, 113..421, 116..418,	117..434,	246..434

Seq. No.	30929	Seq. ID	OJ990519_24.9A20.C30
Gene No.	64002	Strand	-
Start	1	End	441
Name	OJ990519_24.9A20.C30.o1.tc	Method	TBLASTX:Cress
Start	110	End	418
GI	none	Score	145
Exons	110..256, 113..280, 257..349,	288..350,	353..418

Seq. No.	30929	Seq. ID	OJ990519_24.9A20.C30
Gene No.	64002	Strand	-
Start	1	End	441
Name	OJ990519_24.9A20.C30.o1.ts	Method	TBLASTX:Soybean
Start	113	End	434
GI	none	Score	84
Exons	113..277, 116..271, 263..421,	264..434	

Seq. No.	30929	Seq. ID	OJ990519_24.9A20.C30
Gene No.	64002	Strand	-
Start	1	End	441
Name	OJ990519_24.9A20.C30.o1.gp	Method	AAT/GAP
Start	116	End	441
GI	22086_1.R1084	Score	572
Exons	116..441		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 3.0e-09 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'		

Seq. No.	30930	Seq. ID	OJ990519_24.9A20.C31
Gene No.	64003	Strand	-
Start	1	End	852
Name	OJ990519_24.9A20.C31.o1.gp	Method	AAT/GAP
Start	1	End	852
GI	44408_1.R1084	Score	540
Exons	1..251, 629..668, 789..852		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 3.0e-79 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'		

Seq. No.	30930	Seq. ID	OJ990519_24.9A20.C31
Gene No.	64003	Strand	-
Start	1	End	852

Name	OJ990519_24.9A20.C31.o1.np	Method	AAT/NAP
Start	1	End	671
GI	2506139	Score	374
Exons	1..251, 629..671		
GI Descrip.	COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) gi|1314049|emb|CAA91901| (Z67962) archain/delta-COP [Oryza sativa]		

Seq. No.	30930	Seq. ID	OJ990519_24.9A20.C31
Gene No.	64003	Strand	-
Start	1	End	852
Name	OJ990519_24.9A20.C31.o1.tc	Method	TBLASTX:Cress
Start	21	End	282
GI	none	Score	91
Exons	21..209, 24..248, 25..240, 25..282, 77..247		

Seq. No.	30930	Seq. ID	OJ990519_24.9A20.C31
Gene No.	64003	Strand	-
Start	1	End	852
Name	OJ990519_24.9A20.C31.o1.ts	Method	TBLASTX:Soybean
Start	21	End	668
GI	none	Score	133
Exons	21..224, 24..245, 25..240, 25..282, 80..250, 630..668		

Seq. No.	30930	Seq. ID	OJ990519_24.9A20.C31
Gene No.	64003	Strand	-
Start	1	End	852
Name	OJ990519_24.9A20.C31.o1.tm	Method	TBLASTX:Maize
Start	25	End	669
GI	none	Score	254
Exons	25..240, 25..282, 77..253, 631..669		

Seq. No.	30930	Seq. ID	OJ990519_24.9A20.C31
Gene No.	64003	Strand	-
Start	1	End	852
Name	OJ990519_24.9A20.C31.o1.gs	Method	GENSCAN
Start	615	End	852
GI	none	Score	.51
Exons	615..668, 789..852		

Seq. No.	30931	Seq. ID	OJ990519_24.9A20.C32
Gene No.	64004	Strand	+
Start	317	End	417
Name	OJ990519_24.9A20.C32.o1.gs	Method	GENSCAN
Start	317	End	417
GI	none	Score	.61
Exons	317..417		

Seq. No.	30932	Seq. ID	OJ990519_24.9A20.C33
Gene No.	64005	Strand	+
Start	522	End	623
Name	OJ990519_24.9A20.C33.o1.gs	Method	GENSCAN
Start	522	End	623
GI	none	Score	.42
Exons	522..623		

Seq. No.	30933	Seq. ID	OJ990519_24.9A20.C35

Gene No.	64006	Strand	+
Start	1	End	307
Name	OJ990519_24.9A20.C35.o1.gp	Method	AAT/GAP
Start	1	End	304
GI	44408_1.R1084	Score	438
Exons	1..304		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 3.0e-79 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'		

Seq. No.	30933	Seq. ID	OJ990519_24.9A20.C35
Gene No.	64006	Strand	+
Start	1	End	307
Name	OJ990519_24.9A20.C35.o1.np	Method	AAT/NAP
Start	1	End	304
GI	2506139	Score	276
Exons	1..304		
GI Descrip.	COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) gi|1314049|emb|CAA91901| (Z67962) archain/delta-COP [Oryza sativa]		

Seq. No.	30933	Seq. ID	OJ990519_24.9A20.C35
Gene No.	64006	Strand	+
Start	1	End	307
Name	OJ990519_24.9A20.C35.o1.tc	Method	TBLASTX:Cress
Start	40	End	307
GI	none	Score	56
Exons	40..96, 60..95, 83..307, 94..207, 99..293, 107..307		

Seq. No.	30933	Seq. ID	OJ990519_24.9A20.C35
Gene No.	64006	Strand	+
Start	1	End	307
Name	OJ990519_24.9A20.C35.o1.tm	Method	TBLASTX:Maize
Start	60	End	307
GI	none	Score	61
Exons	60..95, 61..96, 75..293, 77..307, 95..301		

Seq. No.	30933	Seq. ID	OJ990519_24.9A20.C35
Gene No.	64006	Strand	+
Start	1	End	307
Name	OJ990519_24.9A20.C35.o1.ts	Method	TBLASTX:Soybean
Start	60	End	307
GI	none	Score	54
Exons	60..95, 61..96, 83..307, 93..296, 95..307		

Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64007	Strand	+
Start	1	End	5249
Name	OJ990519_24.9A20.C37.o1.np	Method	AAT/NAP
Start	1	End	4680
GI	3980412	Score	755
Exons	1..35, 1747..1813, 1942..2083, 2177..2284, 3358..3570, 3663..3770, 3958..4147, 4456..4680		
GI Descrip.	(AC004561) putative pumilio/Mpt5 family RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64007	Strand	+
Start	1	End	5249
Name	OJ990519_24.9A20.C37.o1.gs	Method	GENSCAN
Start	180	End	5249
GI	none	Score	.78
Exons	180..1813, 1942..2083, 3358..3570, 3663..3770, 3958..4167, 4461..4635, 5125..5249		

Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64008	Strand	+
Start	5848	End	10295
Name	OJ990519_24.9A20.C37.o2.gs	Method	GENSCAN
Start	5848	End	8800
GI	none	Score	.67
Exons	5848..5926, 6010..6147, 6212..6300, 6835..6994, 7388..7567, 7685..8024, 8500..8800		

Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64008	Strand	+
Start	5848	End	10295
Name	OJ990519_24.9A20.C37.o2.np	Method	AAT/NAP
Start	5848	End	10295
GI	6016874	Score	2258
Exons	5848..5926, 6010..6147, 6212..6444, 6835..6994, 7388..7567, 7685..8024, 8500..8779, 9932..10295		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64008	Strand	+
Start	5848	End	10295
Name	OJ990519_24.9A20.C37.o1.gp	Method	AAT/GAP
Start	6537	End	7045
GI	uC-osf1cyp110c07b1	Score	970
Exons	6537..7045		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64009	Strand	-
Start	9778	End	12285
Name	OJ990519_24.9A20.C37.o3.ts	Method	TBLASTX:Soybean
Start	1931	End	3638
GI	none	Score	62
Exons	1931..2086, 1939..2091, 1940..2083, 1948..2088, 2162..2290, 2182..2304, 3346..3477, 3349..3456, 3355..3465, 3457..3567, 3462..3566, 3514..3570, 3561..3638		

Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64009	Strand	-
Start	9778	End	12285
Name	OJ990519_24.9A20.C37.o6.tm	Method	TBLASTX:Maize
Start	1939	End	4634
GI	none	Score	154

Exons	1939..2106, 1940..2083, 2162..2290, 2207..2290, 3346..3570, 3349..3570, 3357..3566, 3681..3770, 3955..4056, 3966..4055, 4455..4535, 4457..4633, 4584..4634		
Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64009	Strand	-
Start	9778	End	12285
Name	OJ990519_24.9A20.C37.o3.tc	Method	TBLASTX:Cress
Start	1961	End	4634
GI	none	Score	61
Exons	1961..2089, 3955..4134, 3969..4133, 4455..4634, 4463..4633		
Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64009	Strand	-
Start	9778	End	12285
Name	OJ990519_24.9A20.C37.o2.tc	Method	TBLASTX:Cress
Start	2213	End	3570
GI	none	Score	69
Exons	2213..2290, 2231..2290, 3349..3570, 3357..3569		
Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64009	Strand	-
Start	9778	End	12285
Name	OJ990519_24.9A20.C37.o4.ts	Method	TBLASTX:Soybean
Start	3955	End	4134
GI	none	Score	183
Exons	3955..4134, 3972..4133		
Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64009	Strand	-
Start	9778	End	12285
Name	OJ990519_24.9A20.C37.o3.tm	Method	TBLASTX:Maize
Start	6196	End	6642
GI	none	Score	69
Exons	6196..6282, 6267..6476, 6268..6516, 6553..6609, 6604..6642		
Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64009	Strand	-
Start	9778	End	12285
Name	OJ990519_24.9A20.C37.o5.tm	Method	TBLASTX:Maize
Start	6736	End	7050
GI	none	Score	65
Exons	6736..6810, 6823..7050, 6831..7049		
Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64009	Strand	-
Start	9778	End	12285
Name	OJ990519_24.9A20.C37.o7.tm	Method	TBLASTX:Maize
Start	7255	End	7607
GI	none	Score	240
Exons	7255..7536, 7266..7607		
Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64009	Strand	-
Start	9778	End	12285
Name	OJ990519_24.9A20.C37.o4.tm	Method	TBLASTX:Maize
Start	7719	End	7962

GI	none	Score	282
Exons	7719..7877, 7729..7962		

Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64009	Strand	-
Start	9778	End	12285
Name	OJ990519_24.9A20.C37.o3.gs	Method	GENSCAN
Start	9778	End	11838
GI	none	Score	1
Exons	9778..11838		

Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64009	Strand	-
Start	9778	End	12285
Name	OJ990519_24.9A20.C37.o3.np	Method	AAT/NAP
Start	9982	End	12285
GI	3193302	Score	1250
Exons	9982..11822, 12252..12285		
GI Descrip.	(AF069298) contains similarity to a protein kinase domain (Pfam: pkinase.hmm, score: 166.20) and to legume lectins beta domain (Pfam: lectin_legB.hmm, score: 139.32) [Arabidopsis thaliana]		

Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64009	Strand	-
Start	9778	End	12285
Name	OJ990519_24.9A20.C37.o1.tc	Method	TBLASTX:Cress
Start	9994	End	11715
GI	none	Score	107
Exons	9994..10173, 10213..10524, 10268..10456, 10549..10734, 10559..10594, 10661..10732, 10753..10911, 11071..11172, 11230..11268, 11344..11595, 11345..11530, 11608..11715		

Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64009	Strand	-
Start	9778	End	12285
Name	OJ990519_24.9A20.C37.o1.tm	Method	TBLASTX:Maize
Start	10213	End	10780
GI	none	Score	111
Exons	10213..10545, 10271..10453, 10366..10530, 10546..10734, 10547..10594, 10637..10738, 10756..10779, 10757..10780		

Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64009	Strand	-
Start	9778	End	12285
Name	OJ990519_24.9A20.C37.o1.ts	Method	TBLASTX:Soybean
Start	10312	End	10836
GI	none	Score	70
Exons	10312..10524, 10313..10366, 10408..10503, 10549..10740, 10550..10741, 10732..10836		

Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64009	Strand	-
Start	9778	End	12285
Name	OJ990519_24.9A20.C37.o1.tw	Method	TBLASTX:Wheat
Start	10369	End	10809
GI	none	Score	88
Exons	10369..10530, 10549..10740, 10553..10741, 10732..10809		

Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64009	Strand	-
Start	9778	End	12285
Name	OJ990519_24.9A20.C37.o8.tm	Method	TBLASTX:Maize
Start	11021	End	11191
GI	none	Score	188
Exons	11021..11191, 11056..11181		

Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64009	Strand	-
Start	9778	End	12285
Name	OJ990519_24.9A20.C37.o2.ts	Method	TBLASTX:Soybean
Start	11158	End	11721
GI	none	Score	142
Exons	11158..11181, 11230..11277, 11344..11481, 11345..11476, 11488..11601, 11501..11584, 11554..11721		

Seq. No.	30934	Seq. ID	OJ990519_24.9A20.C37
Gene No.	64009	Strand	-
Start	9778	End	12285
Name	OJ990519_24.9A20.C37.o2.tm	Method	TBLASTX:Maize
Start	11344	End	11716
GI	none	Score	164
Exons	11344..11592, 11345..11527, 11395..11535, 11608..11715, 11615..11716		

Seq. No.	30935	Seq. ID	OJ990519_24.9A20.C38
Gene No.	64010	Strand	+
Start	1009	End	1121
Name	OJ990519_24.9A20.C38.o1.gs	Method	GENSCAN
Start	1009	End	1121
GI	none	Score	.7
Exons	1009..1121		

Seq. No.	30935	Seq. ID	OJ990519_24.9A20.C38
Gene No.	64011	Strand	-
Start	1742	End	4417
Name	OJ990519_24.9A20.C38.o1.gp	Method	AAT/GAP
Start	1742	End	4024
GI	5038930	Score	1354
Exons	1742..2115, 3696..4024		

Seq. No.	30935	Seq. ID	OJ990519_24.9A20.C38
Gene No.	64011	Strand	-
Start	1742	End	4417
Name	OJ990519_24.9A20.C38.o1.tm	Method	TBLASTX:Maize
Start	3776	End	4417
GI	none	Score	237
Exons	3776..4030, 3785..4006, 4060..4167, 4061..4225, 4062..4226, 4215..4307, 4220..4336, 4337..4417, 4362..4415		

Seq. No.	30935	Seq. ID	OJ990519_24.9A20.C38
Gene No.	64011	Strand	-
Start	1742	End	4417
Name	OJ990519_24.9A20.C38.o2.gs	Method	GENSCAN
Start	3785	End	4039

GI	none	Score	.52
Exons	3785..4039		

Seq. No.	30935	Seq. ID	OJ990519_24.9A20.C38
Gene No.	64011	Strand	-
Start	1742	End	4417
Name	OJ990519_24.9A20.C38.o1.np	Method	AAT/NAP
Start	3788	End	4417
GI	4455179	Score	217
Exons	3788..4096, 4150..4417		
GI Descrip.	(AL035521) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30936	Seq. ID	OJ990519_24.9A20.C39
Gene No.	64012	Strand	+
Start	7678	End	9885
Name	OJ990519_24.9A20.C39.o2.gp	Method	AAT/GAP
Start	7611	End	9885
GI	17750_1.R1084	Score	652
Exons	7611..7764, 9694..9885		
GI Descrip.	'1184323/gb|U46019|CVU46019 7.0e-38 Cloning vector pCRSCRIPT Direct, complete sequence'		

Seq. No.	30936	Seq. ID	OJ990519_24.9A20.C39
Gene No.	64012	Strand	+
Start	7678	End	9885
Name	OJ990519_24.9A20.C39.o3.gs	Method	GENSCAN
Start	7678	End	9771
GI	none	Score	.95
Exons	7678..7764, 9694..9771		

Seq. No.	30936	Seq. ID	OJ990519_24.9A20.C39
Gene No.	64012	Strand	+
Start	7678	End	9885
Name	OJ990519_24.9A20.C39.o3.np	Method	AAT/NAP
Start	7678	End	9768
GI	6562318	Score	119
Exons	7678..7764, 9694..9768		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	30936	Seq. ID	OJ990519_24.9A20.C39
Gene No.	64013	Strand	-
Start	656	End	5219
Name	OJ990519_24.9A20.C39.o1.gs	Method	GENSCAN
Start	656	End	5219
GI	none	Score	.79
Exons	656..763, 1353..1469, 1554..1653, 1778..1968, 2057..2150, 2647..2752, 2952..3066, 3216..3283, 3453..3776, 3960..4095, 4293..4376, 4673..4788, 4880..4985, 5112..5219		

Seq. No.	30936	Seq. ID	OJ990519_24.9A20.C39
Gene No.	64013	Strand	-
Start	656	End	5219
Name	OJ990519_24.9A20.C39.o1.np	Method	AAT/NAP
Start	694	End	4672
GI	3560144	Score	190
Exons	694..763, 869..925, 1353..1469, 1554..1653, 1778..1968, 2057..2150, 2647..2752, 2885..3032, 3501..3753, 3985..4092,		

	4174..4245, 4565..4672
GI Descrip.	(AL031534) putative asparagine synthase [Schizosaccharomyces pombe]

Seq. No.	30936	Seq. ID	OJ990519_24.9A20.C39
Gene No.	64014	Strand	-
Start	6112	End	7730
Name	OJ990519_24.9A20.C39.o1.tm	Method	TBLASTX:Maize
Start	878	End	1965
GI	none	Score	153
Exons	878..937, 1349..1471, 1350..1472, 1351..1494, 1530..1661, 1553..1648, 1761..1958, 1774..1965, 1775..1963		

Seq. No.	30936	Seq. ID	OJ990519_24.9A20.C39
Gene No.	64014	Strand	-
Start	6112	End	7730
Name	OJ990519_24.9A20.C39.o1.ts	Method	TBLASTX:Soybean
Start	1350	End	2173
GI	none	Score	118
Exons	1350..1487, 1351..1461, 1551..1655, 1555..1662, 1759..1881, 1763..1882, 1831..1968, 1886..1969, 2033..2158, 2057..2173		

Seq. No.	30936	Seq. ID	OJ990519_24.9A20.C39
Gene No.	64014	Strand	-
Start	6112	End	7730
Name	OJ990519_24.9A20.C39.o3.tm	Method	TBLASTX:Maize
Start	3456	End	3744
GI	none	Score	177
Exons	3456..3509, 3532..3744, 3539..3724		

Seq. No.	30936	Seq. ID	OJ990519_24.9A20.C39
Gene No.	64014	Strand	-
Start	6112	End	7730
Name	OJ990519_24.9A20.C39.o1.gp	Method	AAT/GAP
Start	6112	End	7114
GI	none	Score	1744
Exons	6112..6848, 6947..7114		

Seq. No.	30936	Seq. ID	OJ990519_24.9A20.C39
Gene No.	64014	Strand	-
Start	6112	End	7730
Name	OJ990519_24.9A20.C39.o2.gs	Method	GENSCAN
Start	6411	End	7075
GI	none	Score	.88
Exons	6411..6848, 6947..7075		

Seq. No.	30936	Seq. ID	OJ990519_24.9A20.C39
Gene No.	64014	Strand	-
Start	6112	End	7730
Name	OJ990519_24.9A20.C39.o2.np	Method	AAT/NAP
Start	6417	End	7730
GI	6562319	Score	375
Exons	6417..6809, 7650..7730		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	30936	Seq. ID	OJ990519_24.9A20.C39
Gene No.	64014	Strand	-

Start	6112	End	7730
Name	OJ990519_24.9A20.C39.o1.tc	Method	TBLASTX:Cress
Start	6450	End	6803
GI	none	Score	210
Exons	6450..6530, 6609..6803		

Seq. No.	30936	Seq. ID	OJ990519_24.9A20.C39
Gene No.	64014	Strand	-
Start	6112	End	7730
Name	OJ990519_24.9A20.C39.o2.tm	Method	TBLASTX:Maize
Start	6609	End	7105
GI	none	Score	55
Exons	6609..6812, 6783..6848, 6796..6849, 6969..7001, 6970..7002, 7019..7105		

Seq. No.	30936	Seq. ID	OJ990519_24.9A20.C39
Gene No.	64014	Strand	-
Start	6112	End	7730
Name	OJ990519_24.9A20.C39.o2.ts	Method	TBLASTX:Soybean
Start	6609	End	6815
GI	none	Score	225
Exons	6609..6815, 6687..6764		

Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64015	Strand	+
Start	3168	End	3529
Name	OJ990519_24.9A20.C40.o1.gp	Method	AAT/GAP
Start	3168	End	3529
GI	17750_1.R1084	Score	684
Exons	3168..3529		
GI Descrip.	'1184323/gb|U46019|CVU46019 7.0e-38 Cloning vector pCRSCRIPT Direct, complete sequence'		

Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64016	Strand	+
Start	7431	End	7574
Name	OJ990519_24.9A20.C40.o3.gp	Method	AAT/GAP
Start	7431	End	7574
GI	21474_1.R1084	Score	250
Exons	7431..7574		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64017	Strand	-
Start	226	End	3093
Name	OJ990519_24.9A20.C40.o1.np	Method	AAT/NAP
Start	226	End	3093
GI	4680179	Score	3698
Exons	226..3093		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64017	Strand	-
Start	226	End	3093
Name	OJ990519_24.9A20.C40.o1.gs	Method	GENSCAN
Start	255	End	3092

GI	none	Score	.8
Exons	255..943, 1010..3092		
Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64018	Strand	-
Start	4013	End	4388
Name	OJ990519_24.9A20.C40.o2.gp	Method	AAT/GAP
Start	3764	End	4388
GI	15912_1.R1084	Score	1179
Exons	3764..4388		
GI Descrip.	'1184321/gb|U46017|CVU46017 3.0e-09 Cloning vector pCRSCRIPT SK[+], complete sequence'		
Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64018	Strand	-
Start	4013	End	4388
Name	OJ990519_24.9A20.C40.o2.gs	Method	GENSCAN
Start	4013	End	4321
GI	none	Score	.83
Exons	4013..4321		
Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64019	Strand	-
Start	8490	End	13644
Name	OJ990519_24.9A20.C40.o5.tw	Method	TBLASTX:Wheat
Start	270	End	603
GI	none	Score	152
Exons	270..602, 291..563, 334..603		
Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64019	Strand	-
Start	8490	End	13644
Name	OJ990519_24.9A20.C40.o6.tm	Method	TBLASTX:Maize
Start	285	End	446
GI	none	Score	91
Exons	285..443, 288..446		
Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64019	Strand	-
Start	8490	End	13644
Name	OJ990519_24.9A20.C40.o1.tm	Method	TBLASTX:Maize
Start	453	End	1050
GI	none	Score	244
Exons	453..890, 463..891, 709..891, 897..1049, 901..1050	803..892, 888..1046, 895..1041,	
Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64019	Strand	-
Start	8490	End	13644
Name	OJ990519_24.9A20.C40.o1.tw	Method	TBLASTX:Wheat
Start	603	End	1229
GI	none	Score	295
Exons	603..1229, 604..1173		
Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64019	Strand	-
Start	8490	End	13644

Name	OJ990519_24.9A20.C40.o4.tm	Method	TBLASTX:Maize
Start	1098	End	1388
GI	none	Score	223
Exons	1098..1388, 1102..1377		

Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64019	Strand	-
Start	8490	End	13644
Name	OJ990519_24.9A20.C40.o2.ts	Method	TBLASTX:Soybean
Start	1188	End	1443
GI	none	Score	61
Exons	1188..1316, 1188..1436, 1189..1443		

Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64019	Strand	-
Start	8490	End	13644
Name	OJ990519_24.9A20.C40.o1.tc	Method	TBLASTX:Cress
Start	1212	End	1529
GI	none	Score	101
Exons	1212..1355, 1228..1353, 1356..1529, 1410..1508		

Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64019	Strand	-
Start	8490	End	13644
Name	OJ990519_24.9A20.C40.o3.tw	Method	TBLASTX:Wheat
Start	1236	End	1760
GI	none	Score	260
Exons	1236..1760, 1240..1608		

Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64019	Strand	-
Start	8490	End	13644
Name	OJ990519_24.9A20.C40.o2.tm	Method	TBLASTX:Maize
Start	1803	End	2156
GI	none	Score	227
Exons	1803..2156, 1855..2154		

Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64019	Strand	-
Start	8490	End	13644
Name	OJ990519_24.9A20.C40.o2.tw	Method	TBLASTX:Wheat
Start	1803	End	2229
GI	none	Score	131
Exons	1803..2228, 1805..2167, 1818..2171, 1840..2229		

Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64019	Strand	-
Start	8490	End	13644
Name	OJ990519_24.9A20.C40.o3.ts	Method	TBLASTX:Soybean
Start	1977	End	2222
GI	none	Score	213
Exons	1977..2222		

Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64019	Strand	-
Start	8490	End	13644
Name	OJ990519_24.9A20.C40.o3.tm	Method	TBLASTX:Maize

Start	2193	End	2693
GI	none	Score	164
Exons	2193..2528, 2514..2693		

Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64019	Strand	-
Start	8490	End	13644
Name	OJ990519_24.9A20.C40.o6.tw	Method	TBLASTX:Wheat
Start	2235	End	2531
GI	none	Score	173
Exons	2235..2531, 2272..2487		

Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64019	Strand	-
Start	8490	End	13644
Name	OJ990519_24.9A20.C40.o1.ts	Method	TBLASTX:Soybean
Start	2244	End	2639
GI	none	Score	142
Exons	2244..2603, 2272..2487, 2295..2603, 2527..2622, 2595..2639, 2607..2639		

Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64019	Strand	-
Start	8490	End	13644
Name	OJ990519_24.9A20.C40.o4.tw	Method	TBLASTX:Wheat
Start	2580	End	3063
GI	none	Score	285
Exons	2580..3062, 2608..3063		

Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64019	Strand	-
Start	8490	End	13644
Name	OJ990519_24.9A20.C40.o5.tm	Method	TBLASTX:Maize
Start	2763	End	3051
GI	none	Score	96
Exons	2763..3035, 2763..3050, 2764..3051		

Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64019	Strand	-
Start	8490	End	13644
Name	OJ990519_24.9A20.C40.o4.gp	Method	AAT/GAP
Start	7704	End	8161
GI	LIB3432-059-P1-K1-D8	Score	755
Exons	7704..8161		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64019	Strand	-
Start	8490	End	13644
Name	OJ990519_24.9A20.C40.o3.gs	Method	GENSCAN
Start	8490	End	13644
GI	none	Score	.67
Exons	8490..8675, 8956..9028, 9113..9493, 9603..10702, 10777..12125, 13500..13644		

Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40

Gene No.	64019	Strand	-
Start	8490	End	13644
Name	OJ990519_24.9A20.C40.o2.np	Method	AAT/NAP
Start	8511	End	12213
GI	4680204	Score	1050
Exons	8511..8645, 9004..9223, 9320..9493, 9603..10702, 10777..12213		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64019	Strand	-
Start	8490	End	13644
Name	OJ990519_24.9A20.C40.o7.tw	Method	TBLASTX:Wheat
Start	11167	End	11570
GI	none	Score	71
Exons	11167..11337, 11168..11242, 11300..11467, 11332..11568, 11419..11568, 11430..11570, 11454..11570		

Seq. No.	30937	Seq. ID	OJ990519_24.9A20.C40
Gene No.	64019	Strand	-
Start	8490	End	13644
Name	OJ990519_24.9A20.C40.o5.gp	Method	AAT/GAP
Start	12995	End	13460
GI	LIB3432-059-P1-K1-D8	Score	731
Exons	12995..13460		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	30938	Seq. ID	OJ990519_24.9A20.C41
Gene No.	64020	Strand	-
Start	1	End	2100
Name	OJ990519_24.9A20.C41.o1.gp	Method	AAT/GAP
Start	1	End	1646
GI	342_1.R1084	Score	1996
Exons	1..32, 371..1646		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	30938	Seq. ID	OJ990519_24.9A20.C41
Gene No.	64020	Strand	-
Start	1	End	2100
Name	OJ990519_24.9A20.C41.o1.np	Method	AAT/NAP
Start	1	End	1650
GI	4680203	Score	1524
Exons	1..31, 370..1650		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	30938	Seq. ID	OJ990519_24.9A20.C41
Gene No.	64020	Strand	-
Start	1	End	2100
Name	OJ990519_24.9A20.C41.o1.gs	Method	GENSCAN
Start	334	End	1650
GI	none	Score	.96
Exons	334..1133, 1191..1650		

Seq. No.	30938	Seq. ID	OJ990519_24.9A20.C41
Gene No.	64020	Strand	-
Start	1	End	2100

Name	OJ990519_24.9A20.C41.o1.tw	Method	TBLASTX:Wheat
Start	388	End	730
GI	none	Score	289
Exons	388..729, 416..730		

Seq. No.	30938	Seq. ID	OJ990519_24.9A20.C41
Gene No.	64020	Strand	-
Start	1	End	2100
Name	OJ990519_24.9A20.C41.o1.tm	Method	TBLASTX:Maize
Start	470	End	858
GI	none	Score	149
Exons	470..730, 472..753, 769..858		

Seq. No.	30938	Seq. ID	OJ990519_24.9A20.C41
Gene No.	64020	Strand	-
Start	1	End	2100
Name	OJ990519_24.9A20.C41.o1.tc	Method	TBLASTX:Cress
Start	517	End	865
GI	none	Score	90
Exons	517..858, 536..673, 713..865		

Seq. No.	30938	Seq. ID	OJ990519_24.9A20.C41
Gene No.	64020	Strand	-
Start	1	End	2100
Name	OJ990519_24.9A20.C41.o4.gp	Method	AAT/GAP
Start	574	End	2100
GI	2310235	Score	302
Exons	574..634, 1511..1650, 2063..2100		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	30938	Seq. ID	OJ990519_24.9A20.C41
Gene No.	64020	Strand	-
Start	1	End	2100
Name	OJ990519_24.9A20.C41.o1.ts	Method	TBLASTX:Soybean
Start	598	End	1027
GI	none	Score	113
Exons	598..894, 611..862, 889..951, 944..1027, 952..1026		

Seq. No.	30938	Seq. ID	OJ990519_24.9A20.C41
Gene No.	64020	Strand	-
Start	1	End	2100
Name	OJ990519_24.9A20.C41.o2.tw	Method	TBLASTX:Wheat
Start	948	End	1299
GI	none	Score	176
Exons	948..1199, 958..1209, 959..1201, 1192..1299		

Seq. No.	30939	Seq. ID	OJ990519_24.9A20.C42
Gene No.	64021	Strand	+
Start	1	End	10930
Name	OJ990519_24.9A20.C42.o2.np	Method	AAT/NAP
Start	1	End	10930
GI	4680183	Score	188
Exons	1..46, 10163..10233, 10841..10930		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	30939	Seq. ID	OJ990519_24.9A20.C42

Gene No.	64021	Strand	+
Start	1	End	10930
Name	OJ990519_24.9A20.C42.o1.gs	Method	GENSCAN
Start	1066	End	3936
GI	none	Score	.67
Exons	1066..1369, 2897..3050, 3055..3307, 3381..3524, 3820..3936		

Seq. No.	30939	Seq. ID	OJ990519_24.9A20.C42
Gene No.	64021	Strand	+
Start	1	End	10930
Name	OJ990519_24.9A20.C42.o1.np	Method	AAT/NAP
Start	6250	End	8744
GI	6907086	Score	1162
Exons	6250..7002, 7060..7319, 8703..8744		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	30939	Seq. ID	OJ990519_24.9A20.C42
Gene No.	64021	Strand	+
Start	1	End	10930
Name	OJ990519_24.9A20.C42.o2.gs	Method	GENSCAN
Start	6453	End	7016
GI	none	Score	.94
Exons	6453..7016		

Seq. No.	30939	Seq. ID	OJ990519_24.9A20.C42
Gene No.	64021	Strand	+
Start	1	End	10930
Name	OJ990519_24.9A20.C42.o1.gp	Method	AAT/GAP
Start	9356	End	9605
GI	101153_1.R1084	Score	388
Exons	9356..9605		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	30939	Seq. ID	OJ990519_24.9A20.C42
Gene No.	64022	Strand	-
Start	8194	End	9081
Name	OJ990519_24.9A20.C42.o3.gs	Method	GENSCAN
Start	8194	End	9081
GI	none	Score	.54
Exons	8194..9081		

Seq. No.	30939	Seq. ID	OJ990519_24.9A20.C42
Gene No.	64023	Strand	-
Start	9621	End	9941
Name	OJ990519_24.9A20.C42.o2.gp	Method	AAT/GAP
Start	9621	End	9941
GI	2428185	Score	587
Exons	9621..9941		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	30940	Seq. ID	OJ990519_24.9A20.C43
Gene No.	64024	Strand	-
Start	1	End	1924
Name	OJ990519_24.9A20.C43.o1.np	Method	AAT/NAP
Start	1	End	1924

GI	5777623	Score	203
Exons	1..205, 1484..1703, 1899..1924		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	30940	Seq. ID	OJ990519_24.9A20.C43
Gene No.	64024	Strand	-
Start	1	End	1924
Name	OJ990519_24.9A20.C43.o1.gp	Method	AAT/GAP
Start	1117	End	1382
GI	61605_3.R1084	Score	406
Exons	1117..1382		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	30941	Seq. ID	OJ990519_21.9A20.C2
Gene No.	64025	Strand	+
Start	1304	End	1878
Name	OJ990519_21.9A20.C2.o1.gp	Method	AAT/GAP
Start	1304	End	1878
GI	10283_1.R1084	Score	1086
Exons	1304..1878		
GI Descrip.	'2052354/gb|U94592|HSU94592 4.0e-12 Human uncoupling protein homolog (UCPH) mRNA, complete cds'		

Seq. No.	30941	Seq. ID	OJ990519_21.9A20.C2
Gene No.	64026	Strand	-
Start	1494	End	7060
Name	OJ990519_21.9A20.C2.o1.np	Method	AAT/NAP
Start	1054	End	7021
GI	4678310	Score	695
Exons	1054..1075, 1295..1354, 2809..2981, 3217..3352, 3437..3656, 3757..3937, 4347..4370, 4978..5192, 5275..5555, 6837..7021		
GI Descrip.	(AL049655) putative protein [Arabidopsis thaliana]		

Seq. No.	30941	Seq. ID	OJ990519_21.9A20.C2
Gene No.	64026	Strand	-
Start	1494	End	7060
Name	OJ990519_21.9A20.C2.o1.gs	Method	GENSCAN
Start	1494	End	7060
GI	none	Score	.75
Exons	1494..1706, 1890..1952, 4347..4370, 4978..5192, 5275..5555, 6837..7060		

Seq. No.	30941	Seq. ID	OJ990519_21.9A20.C2
Gene No.	64026	Strand	-
Start	1494	End	7060
Name	OJ990519_21.9A20.C2.o1.tm	Method	TBLASTX:Maize
Start	1543	End	3946
GI	none	Score	80
Exons	1543..1569, 1688..1783, 1689..1781, 1887..1958, 1888..1953, 2803..2976, 2823..2972, 2834..2989, 3102..3134, 3110..3133, 3209..3352, 3214..3354, 3214..3351, 3431..3658, 3433..3660, 3437..3658, 3758..3943, 3760..3945, 3761..3946		

Seq. No.	30941	Seq. ID	OJ990519_21.9A20.C2
Gene No.	64026	Strand	-
Start	1494	End	7060

Name	OJ990519_21.9A20.C2.o1.ts	Method	TBLASTX:Soybean
Start	2856	End	3589
GI	none	Score	76
Exons	2856..2969, 2856..2972, 2857..2976, 3102..3134, 3110..3133, 3209..3286, 3214..3285, 3289..3351, 3290..3352, 3430..3588, 3431..3589		

Seq. No.	30941	Seq. ID	OJ990519_21.9A20.C2
Gene No.	64026	Strand	-
Start	1494	End	7060
Name	OJ990519_21.9A20.C2.o1.tc	Method	TBLASTX:Cress
Start	2919	End	3660
GI	none	Score	93
Exons	2919..2972, 3110..3127, 3214..3366, 3215..3352, 3445..3660, 3476..3658		

Seq. No.	30941	Seq. ID	OJ990519_21.9A20.C2
Gene No.	64026	Strand	-
Start	1494	End	7060
Name	OJ990519_21.9A20.C2.o2.ts	Method	TBLASTX:Soybean
Start	3755	End	6877
GI	none	Score	95
Exons	3755..3796, 3822..3935, 3824..3943, 3825..3938, 4973..5200, 4975..5160, 4979..5188, 5273..5353, 5513..5557, 6836..6877		

Seq. No.	30941	Seq. ID	OJ990519_21.9A20.C2
Gene No.	64026	Strand	-
Start	1494	End	7060
Name	OJ990519_21.9A20.C2.o2.tm	Method	TBLASTX:Maize
Start	4973	End	5444
GI	none	Score	262
Exons	4973..5200, 4975..5160, 4979..5203, 5268..5441, 5273..5401, 5276..5443, 5277..5444		

Seq. No.	30942	Seq. ID	OJ990519_21.9A20.C3
Gene No.	64027	Strand	+
Start	7	End	446
Name	OJ990519_21.9A20.C3.o1.gs	Method	GENSCAN
Start	7	End	446
GI	none	Score	.78
Exons	7..168, 228..446		

Seq. No.	30943	Seq. ID	OJ990519_21.9A20.C4
Gene No.	64028	Strand	+
Start	2640	End	3996
Name	OJ990519_21.9A20.C4.o2.gs	Method	GENSCAN
Start	2640	End	3996
GI	none	Score	.53
Exons	2640..2757, 3406..3489, 3779..3996		

Seq. No.	30943	Seq. ID	OJ990519_21.9A20.C4
Gene No.	64029	Strand	+
Start	4781	End	5325
Name	OJ990519_21.9A20.C4.o1.gp	Method	AAT/GAP
Start	4781	End	5325
GI	68587_1.R1084	Score	761
Exons	4781..5325		

GI Descrip.	'3193316 1.0e-37 (AF069299) contains similarity to nucleotide sugar epimerases [Arabidopsis thaliana]'		
Seq. No.	30943	Seq. ID	OJ990519_21.9A20.C4
Gene No.	64030	Strand	+
Start	6145	End	6293
Name	OJ990519_21.9A20.C4.o3.gp	Method	AAT/GAP
Start	6145	End	6293
GI	4879909	Score	273
Exons	6145..6293		
Seq. No.	30943	Seq. ID	OJ990519_21.9A20.C4
Gene No.	64031	Strand	-
Start	1	End	1035
Name	OJ990519_21.9A20.C4.o1.np	Method	AAT/NAP
Start	1	End	996
GI	3176674	Score	442
Exons	1..35, 171..425, 826..996		
GI Descrip.	(AC003671) Contains similarity to Ste20-like kinase homolog from A. thaliana chromosome 4 contig gb|Z97336. [Arabidopsis thaliana]		
Seq. No.	30943	Seq. ID	OJ990519_21.9A20.C4
Gene No.	64031	Strand	-
Start	1	End	1035
Name	OJ990519_21.9A20.C4.o1.gs	Method	GENSCAN
Start	171	End	1035
GI	none	Score	.87
Exons	171..425, 826..1035		
Seq. No.	30943	Seq. ID	OJ990519_21.9A20.C4
Gene No.	64032	Strand	-
Start	5088	End	6293
Name	OJ990519_21.9A20.C4.o2.ts	Method	TBLASTX:Soybean
Start	169	End	906
GI	none	Score	74
Exons	169..366, 170..367, 171..425, 172..420, 778..804, 814..906		
Seq. No.	30943	Seq. ID	OJ990519_21.9A20.C4
Gene No.	64032	Strand	-
Start	5088	End	6293
Name	OJ990519_21.9A20.C4.o3.tc	Method	TBLASTX:Cress
Start	171	End	311
GI	none	Score	179
Exons	171..311		
Seq. No.	30943	Seq. ID	OJ990519_21.9A20.C4
Gene No.	64032	Strand	-
Start	5088	End	6293
Name	OJ990519_21.9A20.C4.o3.gs	Method	GENSCAN
Start	5088	End	6290
GI	none	Score	.87
Exons	5088..6290		
Seq. No.	30943	Seq. ID	OJ990519_21.9A20.C4
Gene No.	64032	Strand	-
Start	5088	End	6293

Name	OJ990519_21.9A20.C4.o2.np	Method	AAT/NAP
Start	5094	End	6293
GI	3193316	Score	1409
Exons	5094..6293		
GI Descrip.	(AF069299) contains similarity to nucleotide sugar epimerases [Arabidopsis thaliana]		

Seq. No.	30943	Seq. ID	OJ990519_21.9A20.C4
Gene No.	64032	Strand	-
Start	5088	End	6293
Name	OJ990519_21.9A20.C4.o1.tc	Method	TBLASTX:Cress
Start	5097	End	6293
GI	none	Score	280
Exons	5097..5504, 5116..5370, 5407..5505, 5613..5648, 5631..6113, 5632..5985, 6028..6117, 6165..6293, 6165..6293		

Seq. No.	30943	Seq. ID	OJ990519_21.9A20.C4
Gene No.	64032	Strand	-
Start	5088	End	6293
Name	OJ990519_21.9A20.C4.o1.tm	Method	TBLASTX:Maize
Start	5103	End	5840
GI	none	Score	350
Exons	5103..5354, 5103..5840, 5104..5835		

Seq. No.	30943	Seq. ID	OJ990519_21.9A20.C4
Gene No.	64032	Strand	-
Start	5088	End	6293
Name	OJ990519_21.9A20.C4.o1.ts	Method	TBLASTX:Soybean
Start	5103	End	6293
GI	none	Score	823
Exons	5103..6113, 5104..5988, 6028..6117, 6154..6291, 6165..6293, 6165..6293		

Seq. No.	30943	Seq. ID	OJ990519_21.9A20.C4
Gene No.	64032	Strand	-
Start	5088	End	6293
Name	OJ990519_21.9A20.C4.o2.tc	Method	TBLASTX:Cress
Start	5505	End	5612
GI	none	Score	124
Exons	5505..5612, 5506..5610		

Seq. No.	30943	Seq. ID	OJ990519_21.9A20.C4
Gene No.	64032	Strand	-
Start	5088	End	6293
Name	OJ990519_21.9A20.C4.o2.gp	Method	AAT/GAP
Start	5658	End	5982
GI	3761584	Score	607
Exons	5658..5982		
GI Descrip.	3193316 1.0e-37 (AF069299) contains similarity to nucleotide sugar epimerases [Arabidopsis thaliana]		

Seq. No.	30943	Seq. ID	OJ990519_21.9A20.C4
Gene No.	64032	Strand	-
Start	5088	End	6293
Name	OJ990519_21.9A20.C4.o2.tm	Method	TBLASTX:Maize
Start	5925	End	6293
GI	none	Score	74

Exons	5925..5978, 5925..6293, 5926..6291, 6165..6293		
Seq. No.	30944	Seq. ID	OJ990519_21.9A20.C5
Gene No.	64033	Strand	+
Start	1	End	6136
Name	OJ990519_21.9A20.C5.o1.gp	Method	AAT/GAP
Start	1	End	275
GI	4879909	Score	532
Exons	1..275		
Seq. No.	30944	Seq. ID	OJ990519_21.9A20.C5
Gene No.	64033	Strand	+
Start	1	End	6136
Name	OJ990519_21.9A20.C5.o1.gs	Method	GENSCAN
Start	55	End	6136
GI	none	Score	.58
Exons	55..240, 2470..2693, 4099..4242, 5220..5316, 5966..6136		
Seq. No.	30944	Seq. ID	OJ990519_21.9A20.C5
Gene No.	64034	Strand	+
Start	9107	End	10934
Name	OJ990519_21.9A20.C5.o2.gp	Method	AAT/GAP
Start	9107	End	10934
GI	23001_1.R1084	Score	890
Exons	9107..9216, 9445..9533, 9743..9824, 10726..10934		
GI Descrip.	'4586449/dbj|BAA76393.1| 6.0e-30 (AB025187) cytochrome c oxidase subunit 6b-1 [Oryza sativa]'		
Seq. No.	30944	Seq. ID	OJ990519_21.9A20.C5
Gene No.	64034	Strand	+
Start	9107	End	10934
Name	OJ990519_21.9A20.C5.o1.np	Method	AAT/NAP
Start	9445	End	10779
GI	6518353	Score	190
Exons	9445..9533, 9743..9824, 10726..10779		
GI Descrip.	(AB035444) subunit 6b of cytochrome c oxidase [Arabidopsis thaliana] gi|6587843|gb|AAF18532.1|AC006551_18 (AC006551) Subunit 6b of cytochrome c oxidase [Arabidopsis thaliana]		
Seq. No.	30944	Seq. ID	OJ990519_21.9A20.C5
Gene No.	64035	Strand	-
Start	11153	End	11627
Name	OJ990519_21.9A20.C5.o3.gs	Method	GENSCAN
Start	11153	End	11627
GI	none	Score	.81
Exons	11153..11230, 11487..11627		
Seq. No.	30944	Seq. ID	OJ990519_21.9A20.C5
Gene No.	64036	Strand	-
Start	13142	End	15225
Name	OJ990519_21.9A20.C5.o4.gs	Method	GENSCAN
Start	13142	End	13934
GI	none	Score	.93
Exons	13142..13170, 13331..13934		
Seq. No.	30944	Seq. ID	OJ990519_21.9A20.C5
Gene No.	64036	Strand	-

Start	13142	End	15225
Name	OJ990519_21.9A20.C5.o2.np	Method	AAT/NAP
Start	13347	End	15225
GI	4531440	Score	76
Exons	13347..13547, 13645..13784, 15172..15225		
GI Descrip.	(AC006224) unknown protein [Arabidopsis thaliana]		

Seq. No.	30944	Seq. ID	OJ990519_21.9A20.C5
Gene No.	64037	Strand	-
Start	17016	End	19310
Name	OJ990519_21.9A20.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	219
GI	none	Score	269
Exons	1..219, 1..108, 3..218		

Seq. No.	30944	Seq. ID	OJ990519_21.9A20.C5
Gene No.	64037	Strand	-
Start	17016	End	19310
Name	OJ990519_21.9A20.C5.o1.tc	Method	TBLASTX:Cress
Start	3	End	201
GI	none	Score	117
Exons	3..125, 3..125, 19..126, 33..197, 142..201		

Seq. No.	30944	Seq. ID	OJ990519_21.9A20.C5
Gene No.	64037	Strand	-
Start	17016	End	19310
Name	OJ990519_21.9A20.C5.o1.ts	Method	TBLASTX:Soybean
Start	3	End	201
GI	none	Score	119
Exons	3..125, 3..200, 19..201		

Seq. No.	30944	Seq. ID	OJ990519_21.9A20.C5
Gene No.	64037	Strand	-
Start	17016	End	19310
Name	OJ990519_21.9A20.C5.o5.gs	Method	GENSCAN
Start	17016	End	19310
GI	none	Score	.56
Exons	17016..17029, 17784..17880, 19086..19190, 19305..19310		

Seq. No.	30945	Seq. ID	OJ990519_21.9A20.C6
Gene No.	64038	Strand	+
Start	3259	End	3606
Name	OJ990519_21.9A20.C6.o2.np	Method	AAT/NAP
Start	3259	End	3606
GI	6630699	Score	110
Exons	3259..3606		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	30945	Seq. ID	OJ990519_21.9A20.C6
Gene No.	64039	Strand	+
Start	6614	End	7915
Name	OJ990519_21.9A20.C6.o4.np	Method	AAT/NAP
Start	6614	End	7915
GI	6630699	Score	75
Exons	6614..6794, 7747..7915		

GI Descrip. (AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]

Seq. No.	30945	Seq. ID	OJ990519_21.9A20.C6
Gene No.	64040	Strand	+
Start	8044	End	8495
Name	OJ990519_21.9A20.C6.o5.np	Method	AAT/NAP
Start	8044	End	8495
GI	6539570	Score	147
Exons	8044..8245, 8436..8495		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	30945	Seq. ID	OJ990519_21.9A20.C6
Gene No.	64041	Strand	-
Start	1	End	1995
Name	OJ990519_21.9A20.C6.o1.np	Method	AAT/NAP
Start	1	End	1995
GI	5734626	Score	392
Exons	1..26, 575..809, 1018..1139, 1304..1417, 1658..1717, 1819..1995		
GI Descrip.	(AP000391) Similar to mouse ankyrin 3 (AC005727) [Oryza sativa]		

Seq. No.	30945	Seq. ID	OJ990519_21.9A20.C6
Gene No.	64042	Strand	-
Start	2060	End	2631
Name	OJ990519_21.9A20.C6.o1.gp	Method	AAT/GAP
Start	2060	End	2631
GI	2431406	Score	790
Exons	2060..2212, 2360..2631		

Seq. No.	30945	Seq. ID	OJ990519_21.9A20.C6
Gene No.	64043	Strand	-
Start	3523	End	7790
Name	OJ990519_21.9A20.C6.o2.tm	Method	TBLASTX:Maize
Start	1	End	470
GI	none	Score	88
Exons	1..90, 2..61, 2..121, 302..466, 304..465, 311..469, 312..470		

Seq. No.	30945	Seq. ID	OJ990519_21.9A20.C6
Gene No.	64043	Strand	-
Start	3523	End	7790
Name	OJ990519_21.9A20.C6.o3.tm	Method	TBLASTX:Maize
Start	585	End	1393
GI	none	Score	74
Exons	585..635, 706..786, 725..787, 990..1157, 1035..1115, 1036..1143, 1331..1393		

Seq. No.	30945	Seq. ID	OJ990519_21.9A20.C6
Gene No.	64043	Strand	-
Start	3523	End	7790
Name	OJ990519_21.9A20.C6.o2.tc	Method	TBLASTX:Cress
Start	1035	End	1573
GI	none	Score	75
Exons	1035..1154, 1048..1173, 1053..1115, 1313..1417, 1359..1418, 1484..1573, 1492..1569		

Seq. No.	30945	Seq. ID	OJ990519_21.9A20.C6

Gene No.	64043	Strand	-
Start	3523	End	7790
Name	OJ990519_21.9A20.C6.o1.tm	Method	TBLASTX:Maize
Start	1495	End	2014
GI	none	Score	60
Exons	1495..1569, 1502..1570, 1508..1570, 1658..1702, 1662..1703, 1813..2013, 1823..2014		

Seq. No.	30945	Seq. ID	OJ990519_21.9A20.C6
Gene No.	64043	Strand	-
Start	3523	End	7790
Name	OJ990519_21.9A20.C6.o1.ts	Method	TBLASTX:Soybean
Start	1537	End	1995
GI	none	Score	57
Exons	1537..1581, 1658..1717, 1659..1721, 1807..1995, 1817..1993		

Seq. No.	30945	Seq. ID	OJ990519_21.9A20.C6
Gene No.	64043	Strand	-
Start	3523	End	7790
Name	OJ990519_21.9A20.C6.o1.tc	Method	TBLASTX:Cress
Start	1813	End	2022
GI	none	Score	141
Exons	1813..2022, 1820..2008		

Seq. No.	30945	Seq. ID	OJ990519_21.9A20.C6
Gene No.	64043	Strand	-
Start	3523	End	7790
Name	OJ990519_21.9A20.C6.o2.gp	Method	AAT/GAP
Start	3523	End	3950
GI	LIB3479-006-Q6-K1-B11	Score	642
Exons	3523..3950		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	30945	Seq. ID	OJ990519_21.9A20.C6
Gene No.	64043	Strand	-
Start	3523	End	7790
Name	OJ990519_21.9A20.C6.o3.np	Method	AAT/NAP
Start	3746	End	7777
GI	5922620	Score	590
Exons	3746..3876, 6596..6892, 7123..7208, 7543..7698, 7739..7777		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30945	Seq. ID	OJ990519_21.9A20.C6
Gene No.	64043	Strand	-
Start	3523	End	7790
Name	OJ990519_21.9A20.C6.o2.gs	Method	GENSCAN
Start	5865	End	7790
GI	none	Score	.42
Exons	5865..6052, 6657..6822, 7045..7208, 7514..7538, 7585..7698, 7716..7790		

Seq. No.	30946	Seq. ID	OJ990519_21.9A20.C7

Gene No.	64044	Strand	-
Start	1858	End	2049
Name	OJ990519_21.9A20.C7.o1.gs	Method	GENSCAN
Start	1858	End	2049
GI	none	Score	.67
Exons	1858..2049		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64045	Strand	+
Start	1	End	661
Name	OJ990519_21.9A20.C8.o1.np	Method	AAT/NAP
Start	1	End	661
GI	4972071	Score	53
Exons	1..21, 443..661		
GI Descrip.	(AL078467) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64046	Strand	+
Start	6554	End	7840
Name	OJ990519_21.9A20.C8.o2.np	Method	AAT/NAP
Start	6536	End	7840
GI	4185131	Score	504
Exons	6536..7500, 7570..7840		
GI Descrip.	(AC005724) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64046	Strand	+
Start	6554	End	7840
Name	OJ990519_21.9A20.C8.o3.gs	Method	GENSCAN
Start	6554	End	7840
GI	none	Score	1
Exons	6554..7840		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64047	Strand	+
Start	8605	End	10149
Name	OJ990519_21.9A20.C8.o4.gs	Method	GENSCAN
Start	8605	End	10149
GI	none	Score	.41
Exons	8605..8647, 9171..9261, 9528..9585, 9852..9972, 10094..10149		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64048	Strand	-
Start	2572	End	2982
Name	OJ990519_21.9A20.C8.o1.gp	Method	AAT/GAP
Start	2572	End	2982
GI	5056147	Score	348
Exons	2572..2815, 2954..2982		
GI Descrip.	5231209/gb|AF159061.1|AF159061 2.0e-68 Oryza sativa subsp. indica serine/threonine protein phosphatase PP2A-3 catalytic subunit (PP2A) gene, complete cds		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64048	Strand	-
Start	2572	End	2982
Name	OJ990519_21.9A20.C8.o2.gp	Method	AAT/GAP

Start	2572	End	2980
GI	5056147	Score	352
Exons	2572..2815, 2954..2980		
GI Descrip.	5231209/gb|AF159061.1|AF159061 2.0e-68 Oryza sativa subsp. indica serine/threonine protein phosphatase PP2A-3 catalytic subunit (PP2A) gene, complete cds		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64049	Strand	-
Start	3328	End	4022
Name	OJ990519_21.9A20.C8.o2.gs	Method	GENSCAN
Start	3328	End	4022
GI	none	Score	.64
Exons	3328..3506, 3768..3946, 3952..4022		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64050	Strand	-
Start	10881	End	12862
Name	OJ990519_21.9A20.C8.o5.gs	Method	GENSCAN
Start	10881	End	12862
GI	none	Score	.41
Exons	10881..10991, 11123..11222, 12801..12862		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64051	Strand	-
Start	14266	End	18062
Name	OJ990519_21.9A20.C8.o3.tm	Method	TBLASTX:Maize
Start	6628	End	7098
GI	none	Score	158
Exons	6628..6702, 6781..6873, 6782..6904, 6784..6837, 6824..6877, 6878..7045, 6908..7063, 7078..7098		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64051	Strand	-
Start	14266	End	18062
Name	OJ990519_21.9A20.C8.o3.ts	Method	TBLASTX:Soybean
Start	6761	End	7066
GI	none	Score	148
Exons	6761..6889, 6793..6870, 6905..7066		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64051	Strand	-
Start	14266	End	18062
Name	OJ990519_21.9A20.C8.o3.tc	Method	TBLASTX:Cress
Start	6917	End	7099
GI	none	Score	196
Exons	6917..7099		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64051	Strand	-
Start	14266	End	18062
Name	OJ990519_21.9A20.C8.o6.gs	Method	GENSCAN
Start	14266	End	18062
GI	none	Score	.86
Exons	14266..14421, 14797..15084, 15485..15758, 16117..18062		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8

Gene No.	64051	Strand	-
Start	14266	End	18062
Name	OJ990519_21.9A20.C8.o3.gp	Method	AAT/GAP
Start	14491	End	15662
GI	13915_1.R1084	Score	1486
Exons	14491..15084, 15485..15662		
GI Descrip.	'3176687 3.0e-67 (AC003671) Strong similarity to trehalose-6-phosphate synthase homolog from A. thaliana chromosome 4 contig gb_Z97344. ESTs gb_H37594, gb_R65023, gb_H37578 and gb_R64855 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64051	Strand	-
Start	14266	End	18062
Name	OJ990519_21.9A20.C8.o2.tw	Method	TBLASTX:Wheat
Start	14654	End	14993
GI	none	Score	37
Exons	14654..14686, 14773..14811, 14774..14812, 14806..14979, 14810..14962, 14822..14992, 14868..14993		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64051	Strand	-
Start	14266	End	18062
Name	OJ990519_21.9A20.C8.o4.tm	Method	TBLASTX:Maize
Start	14748	End	15030
GI	none	Score	65
Exons	14748..14798, 14749..14796, 14762..14851, 14806..14952, 14810..14953, 14837..14953, 14918..15028, 14940..15029, 14941..15030		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64051	Strand	-
Start	14266	End	18062
Name	OJ990519_21.9A20.C8.o3.np	Method	AAT/NAP
Start	14797	End	18062
GI	6553894	Score	2450
Exons	14797..15084, 15485..15758, 16117..18062		
GI Descrip.	(AC012563) putative trehalose-6-phosphate synthase [Arabidopsis thaliana]		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64051	Strand	-
Start	14266	End	18062
Name	OJ990519_21.9A20.C8.o1.ts	Method	TBLASTX:Soybean
Start	14803	End	17195
GI	none	Score	111
Exons	14803..14994, 14804..14944, 14962..15087, 14968..15021, 15483..15704, 15485..15715, 15485..15760, 15489..15761, 16114..16326, 16116..16691, 16122..16634, 16357..16698, 16681..17046, 16692..17195		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64051	Strand	-
Start	14266	End	18062
Name	OJ990519_21.9A20.C8.o2.tc	Method	TBLASTX:Cress
Start	14812	End	17711

GI	none	Score	104
Exons	14812..14913, 15554..15718, 16818..17219, 17244..17492, 17245..17412, 17640..17711		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64051	Strand	-
Start	14266	End	18062
Name	OJ990519_21.9A20.C8.o1.tm	Method	TBLASTX:Maize
Start	15036	End	16976
GI	none	Score	83
Exons	15036..15086, 15036..15101, 15037..15087, 15485..15736, 15485..15760, 15489..15761, 15496..15774, 16112..16693, 16114..16704, 16116..16703, 16686..16976, 16693..16974		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64051	Strand	-
Start	14266	End	18062
Name	OJ990519_21.9A20.C8.o3.tw	Method	TBLASTX:Wheat
Start	15485	End	16184
GI	none	Score	209
Exons	15485..15754, 15489..15761, 16122..16184		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64051	Strand	-
Start	14266	End	18062
Name	OJ990519_21.9A20.C8.o4.gp	Method	AAT/GAP
Start	16126	End	16669
GI	4880934	Score	1066
Exons	16126..16669		
GI Descrip.	3176687 3.0e-67 (AC003671) Strong similarity to trehalose-6-phosphate synthase homolog from A. thaliana chromosome 4 contig gb_Z97344. ESTs gb_H37594, gb_R65023, gb_H37578 and gb_R64855 come from this gene. [Arabidopsis thaliana]		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64051	Strand	-
Start	14266	End	18062
Name	OJ990519_21.9A20.C8.o1.tc	Method	TBLASTX:Cress
Start	16198	End	16778
GI	none	Score	348
Exons	16198..16701, 16200..16700, 16695..16778		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64051	Strand	-
Start	14266	End	18062
Name	OJ990519_21.9A20.C8.o1.tw	Method	TBLASTX:Wheat
Start	16425	End	16745
GI	none	Score	161
Exons	16425..16709, 16428..16643, 16582..16710, 16697..16735, 16701..16745		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64051	Strand	-
Start	14266	End	18062
Name	OJ990519_21.9A20.C8.o2.tm	Method	TBLASTX:Maize
Start	16995	End	17885

GI	none	Score	662
Exons	16995..17570, 17017..17601, 17625..17819, 17635..17859, 17637..17885		

Seq. No.	30947	Seq. ID	OJ990519_21.9A20.C8
Gene No.	64051	Strand	-
Start	14266	End	18062
Name	OJ990519_21.9A20.C8.o2.ts	Method	TBLASTX:Soybean
Start	17196	End	17570
GI	none	Score	200
Exons	17196..17507, 17197..17469, 17514..17570		

Seq. No.	30948	Seq. ID	OJ990519_21.9A20.C9
Gene No.	64052	Strand	+
Start	10756	End	11008
Name	OJ990519_21.9A20.C9.o1.gp	Method	AAT/GAP
Start	10756	End	11008
GI	2310968	Score	394
Exons	10756..11008		

Seq. No.	30949	Seq. ID	OJ990519_21.9A20.C10
Gene No.	64053	Strand	-
Start	35	End	2184
Name	OJ990519_21.9A20.C10.o1.ts	Method	TBLASTX:Soybean
Start	10	End	1567
GI	none	Score	135
Exons	10..333, 14..340, 69..338, 1205..1567, 1206..1481, 1217..1567		

Seq. No.	30949	Seq. ID	OJ990519_21.9A20.C10
Gene No.	64053	Strand	-
Start	35	End	2184
Name	OJ990519_21.9A20.C10.o1.np	Method	AAT/NAP
Start	35	End	2184
GI	729273	Score	1524
Exons	35..331, 1217..2184		
GI Descrip.	CYPRO4 PROTEIN gi|322804|pir||S28592 cypro4 protein - cardoon gi|17959|emb|CAA49354| (X69672) cypro4 [Cynara cardunculus]		

Seq. No.	30949	Seq. ID	OJ990519_21.9A20.C10
Gene No.	64053	Strand	-
Start	35	End	2184
Name	OJ990519_21.9A20.C10.o1.gs	Method	GENSCAN
Start	44	End	2120
GI	none	Score	.91
Exons	44..331, 1217..2120		

Seq. No.	30949	Seq. ID	OJ990519_21.9A20.C10
Gene No.	64053	Strand	-
Start	35	End	2184
Name	OJ990519_21.9A20.C10.o1.tc	Method	TBLASTX:Cress
Start	50	End	317
GI	none	Score	71
Exons	50..136, 51..122, 131..184, 141..191, 176..289, 195..290, 281..316, 285..317		

Seq. No.	30949	Seq. ID	OJ990519_21.9A20.C10
Gene No.	64053	Strand	-

Start	35	End	2184
Name	OJ990519_21.9A20.C10.o2.tm	Method	TBLASTX:Maize
Start	56	End	1295
GI	none	Score	318
Exons	56..340, 57..341, 1205..1294, 1206..1295		

Seq. No.	30949	Seq. ID	OJ990519_21.9A20.C10
Gene No.	64053	Strand	-
Start	35	End	2184
Name	OJ990519_21.9A20.C10.o2.tw	Method	TBLASTX:Wheat
Start	89	End	241
GI	none	Score	175
Exons	89..241, 90..239, 104..241		

Seq. No.	30949	Seq. ID	OJ990519_21.9A20.C10
Gene No.	64053	Strand	-
Start	35	End	2184
Name	OJ990519_21.9A20.C10.o1.tw	Method	TBLASTX:Wheat
Start	242	End	1518
GI	none	Score	65
Exons	242..307, 243..308, 243..338, 244..312, 298..339, 299..340, 300..341, 1205..1513, 1206..1484, 1207..1518, 1213..1518		

Seq. No.	30949	Seq. ID	OJ990519_21.9A20.C10
Gene No.	64053	Strand	-
Start	35	End	2184
Name	OJ990519_21.9A20.C10.o1.gp	Method	AAT/GAP
Start	430	End	680
GI	2797338	Score	414
Exons	430..680		

Seq. No.	30949	Seq. ID	OJ990519_21.9A20.C10
Gene No.	64053	Strand	-
Start	35	End	2184
Name	OJ990519_21.9A20.C10.o1.tm	Method	TBLASTX:Maize
Start	1296	End	1857
GI	none	Score	297
Exons	1296..1484, 1296..1724, 1297..1857, 1298..1852		

Seq. No.	30949	Seq. ID	OJ990519_21.9A20.C10
Gene No.	64053	Strand	-
Start	35	End	2184
Name	OJ990519_21.9A20.C10.o2.ts	Method	TBLASTX:Soybean
Start	1670	End	2020
GI	none	Score	63
Exons	1670..1927, 1672..1752, 1698..1928, 1958..2020		

Seq. No.	30949	Seq. ID	OJ990519_21.9A20.C10
Gene No.	64053	Strand	-
Start	35	End	2184
Name	OJ990519_21.9A20.C10.o3.tm	Method	TBLASTX:Maize
Start	1862	End	2101
GI	none	Score	77
Exons	1862..1945, 1865..1948, 1866..1949, 1904..2080, 1944..2081, 1947..2081, 1949..2101		

Seq. No.	30950	Seq. ID	OJ990519_21.9A20.C11

Gene No.	64054	Strand	+
Start	2342	End	12900
Name	OJ990519_21.9A20.C11.o2.gs	Method	GENSCAN
Start	2342	End	12711
GI	none	Score	.48
Exons	2342..2430, 2912..3000, 3195..3247, 3556..3795, 4189..4454, 7560..7726, 8372..8382, 9097..9257, 9557..9675, 9714..9780, 10335..10486, 10550..10833, 11702..11925, 12600..12711		

Seq. No.	30950	Seq. ID	OJ990519_21.9A20.C11
Gene No.	64054	Strand	+
Start	2342	End	12900
Name	OJ990519_21.9A20.C11.o2.np	Method	AAT/NAP
Start	2342	End	4869
GI	3281869	Score	419
Exons	2342..2430, 2912..3000, 4223..4454, 4725..4869		
GI Descrip.	(AL031004) RSZp22 splicing factor [Arabidopsis thaliana] gi|3435094|gb|AAD12769.1| (AF033586) 9G8-like SR protein [Arabidopsis thaliana]		

Seq. No.	30950	Seq. ID	OJ990519_21.9A20.C11
Gene No.	64054	Strand	+
Start	2342	End	12900
Name	OJ990519_21.9A20.C11.o1.gp	Method	AAT/GAP
Start	2904	End	5203
GI	7792_1.R1084	Score	1191
Exons	2904..3000, 4223..4454, 4725..4835, 4940..5203		
GI Descrip.	'4572679/gb|AAD23894.1|AC006954_15 2.0e-10 (AC006954) RSZp22 splicing factor; contains RNA recognition motif [Arabidopsis thaliana]'		

Seq. No.	30950	Seq. ID	OJ990519_21.9A20.C11
Gene No.	64054	Strand	+
Start	2342	End	12900
Name	OJ990519_21.9A20.C11.o2.gp	Method	AAT/GAP
Start	9544	End	9721
GI	none	Score	323
Exons	9544..9721		

Seq. No.	30950	Seq. ID	OJ990519_21.9A20.C11
Gene No.	64054	Strand	+
Start	2342	End	12900
Name	OJ990519_21.9A20.C11.o3.np	Method	AAT/NAP
Start	10366	End	12900
GI	4572671	Score	950
Exons	10366..10833, 11702..11914, 12064..12350, 12600..12711, 12796..12900		
GI Descrip.	(AC006954) putative cyclic nucleotide-regulated ion channel protein [Arabidopsis thaliana]		

Seq. No.	30950	Seq. ID	OJ990519_21.9A20.C11
Gene No.	64055	Strand	-
Start	1	End	1383
Name	OJ990519_21.9A20.C11.o1.np	Method	AAT/NAP
Start	1	End	420
GI	2190419	Score	178
Exons	1..420		

GI Descrip. (Y13632) dem [Lycopersicon esculentum]

Seq. No.	30950	Seq. ID	OJ990519_21.9A20.C11
Gene No.	64055	Strand	-
Start	1	End	1383
Name	OJ990519_21.9A20.C11.o1.gs	Method	GENSCAN
Start	95	End	1383
GI	none	Score	.9
Exons	95..463, 801..884, 1142..1383		

Seq. No.	30950	Seq. ID	OJ990519_21.9A20.C11
Gene No.	64055	Strand	-
Start	1	End	1383
Name	OJ990519_21.9A20.C11.o3.tm	Method	TBLASTX:Maize
Start	127	End	531
GI	none	Score	183
Exons	127..336, 137..316, 400..483, 404..433, 472..531		

Seq. No.	30950	Seq. ID	OJ990519_21.9A20.C11
Gene No.	64056	Strand	
Start	2283	End	5192
Name	OJ990519_21.9A20.C11.o5.tm	Method	TBLASTX:Maize
Start	2283	End	5192
GI	none	Score	151
Exons	2283..2429, 2330..2428, 2881..3006, 2894..3001, 2910..3002, 4207..4335, 4208..4324, 4216..4347, 4221..4346, 4227..4385, 4394..4456, 4400..4438, 4727..4828, 4736..4804, 4900..4980, 4941..5021, 5030..5125, 5031..5105, 5112..5165, 5119..5178, 5130..5192		

Seq. No.	30950	Seq. ID	OJ990519_21.9A20.C11
Gene No.	64057	Strand	
Start	10425	End	12900
Name	OJ990519_21.9A20.C11.o1.tm	Method	TBLASTX:Maize
Start	10425	End	11752
GI	none	Score	76
Exons	10425..10490, 10426..10488, 10530..10583, 10530..10583, 10531..10836, 10535..10831, 10601..10867, 10611..10832, 11698..11751, 11699..11752		

Seq. No.	30950	Seq. ID	OJ990519_21.9A20.C11
Gene No.	64057	Strand	
Start	10425	End	12900
Name	OJ990519_21.9A20.C11.o1.ts	Method	TBLASTX:Soybean
Start	10452	End	10703
GI	none	Score	270
Exons	10452..10703, 10453..10701		

Seq. No.	30950	Seq. ID	OJ990519_21.9A20.C11
Gene No.	64057	Strand	
Start	10425	End	12900
Name	OJ990519_21.9A20.C11.o1.tc	Method	TBLASTX:Cress
Start	10468	End	12746
GI	none	Score	117
Exons	10468..10578, 10471..10605, 10550..10606, 10600..10719, 10726..10836, 10728..10832, 11678..11920, 11698..11919, 12064..12132, 12229..12333, 12295..12348, 12598..12711,		

12618..12746

Seq. No.	30950	Seq. ID	OJ990519_21.9A20.C11
Gene No.	64057	Strand	
Start	10425	End	12900
Name	OJ990519_21.9A20.C11.o2.ts	Method	TBLASTX:Soybean
Start	11699	End	12138
GI	none	Score	218
Exons	11699..11914, 11707..11910, 11756..11914, 12067..12138		

Seq. No.	30950	Seq. ID	OJ990519_21.9A20.C11
Gene No.	64057	Strand	
Start	10425	End	12900
Name	OJ990519_21.9A20.C11.o4.tm	Method	TBLASTX:Maize
Start	11753	End	11917
GI	none	Score	65
Exons	11753..11917, 11754..11801, 11783..11917		

Seq. No.	30950	Seq. ID	OJ990519_21.9A20.C11
Gene No.	64057	Strand	
Start	10425	End	12900
Name	OJ990519_21.9A20.C11.o2.tm	Method	TBLASTX:Maize
Start	12064	End	12900
GI	none	Score	100
Exons	12064..12129, 12110..12190, 12124..12249, 12238..12348, 12240..12350, 12243..12353, 12598..12729, 12599..12703, 12606..12707, 12794..12895, 12794..12895, 12804..12899, 12805..12900		

Seq. No.	30951	Seq. ID	OJ990519_21.9A20.C12
Gene No.	64058	Strand	+
Start	518	End	2275
Name	OJ990519_21.9A20.C12.o1.np	Method	AAT/NAP
Start	518	End	2275
GI	4572671	Score	711
Exons	518..1063, 2253..2275		
GI Descrip.	(AC006954) putative cyclic nucleotide-regulated ion channel protein [Arabidopsis thaliana]		

Seq. No.	30951	Seq. ID	OJ990519_21.9A20.C12
Gene No.	64059	Strand	+
Start	2222	End	6748
Name	OJ990519_21.9A20.C12.o2.gs	Method	GENSCAN
Start	2222	End	3794
GI	none	Score	.44
Exons	2222..2323, 2350..2610, 3170..3366, 3671..3794		

Seq. No.	30951	Seq. ID	OJ990519_21.9A20.C12
Gene No.	64059	Strand	+
Start	2222	End	6748
Name	OJ990519_21.9A20.C12.o2.np	Method	AAT/NAP
Start	3175	End	4738
GI	4680186	Score	191
Exons	3175..3410, 4708..4738		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	30951	Seq. ID	OJ990519_21.9A20.C12

Gene No.	64059	Strand	+
Start	2222	End	6748
Name	OJ990519_21.9A20.C12.o3.np	Method	AAT/NAP
Start	4549	End	6748
GI	6069653	Score	1219
Exons	4549..4616, 5139..6113, 6139..6748		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	30951	Seq. ID	OJ990519_21.9A20.C12
Gene No.	64060	Strand	-
Start	1256	End	1679
Name	OJ990519_21.9A20.C12.o1.gp	Method	AAT/GAP
Start	1256	End	1679
GI	37999_1.R1084	Score	786
Exons	1256..1679		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 2.0e-10 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	30951	Seq. ID	OJ990519_21.9A20.C12
Gene No.	64061	Strand	-
Start	4721	End	6573
Name	OJ990519_21.9A20.C12.o1.tc	Method	TBLASTX:Cress
Start	523	End	1032
GI	none	Score	614
Exons	523..1032, 531..1028		

Seq. No.	30951	Seq. ID	OJ990519_21.9A20.C12
Gene No.	64061	Strand	-
Start	4721	End	6573
Name	OJ990519_21.9A20.C12.o1.ts	Method	TBLASTX:Soybean
Start	529	End	1191
GI	none	Score	768
Exons	529..1032, 531..878, 532..915, 866..988, 918..1028, 1144..1191		

Seq. No.	30951	Seq. ID	OJ990519_21.9A20.C12
Gene No.	64061	Strand	-
Start	4721	End	6573
Name	OJ990519_21.9A20.C12.o1.tw	Method	TBLASTX:Wheat
Start	529	End	729
GI	none	Score	232
Exons	529..729, 531..716		

Seq. No.	30951	Seq. ID	OJ990519_21.9A20.C12
Gene No.	64061	Strand	-
Start	4721	End	6573
Name	OJ990519_21.9A20.C12.o1.tm	Method	TBLASTX:Maize
Start	560	End	1191
GI	none	Score	137
Exons	560..817, 561..1121, 562..1119, 1138..1191		

Seq. No.	30951	Seq. ID	OJ990519_21.9A20.C12
Gene No.	64061	Strand	-
Start	4721	End	6573
Name	OJ990519_21.9A20.C12.o3.gs	Method	GENSCAN
Start	4721	End	6573
GI	none	Score	.58
Exons	4721..4792, 5319..5810, 6153..6227, 6304..6407, 6498..6573		

Seq. No.	30952	Seq. ID	OJ990519_21.9A20.C13
Gene No.	64062	Strand	+
Start	613	End	675
Name	OJ990519_21.9A20.C13.o2.gp	Method	AAT/GAP
Start	613	End	675
GI	LIB3432-007-P1-K1-E2	Score	103
Exons	613..675		
GI Descrip.	'4468813/emb|CAB38214| 2.0e-10 (AL035601) putative protein [Arabidopsis thaliana]'		

Seq. No.	30952	Seq. ID	OJ990519_21.9A20.C13
Gene No.	64063	Strand	-
Start	1	End	1475
Name	OJ990519_21.9A20.C13.o1.gp	Method	AAT/GAP
Start	1	End	472
GI	4714679	Score	722
Exons	1..472		
GI Descrip.	5852170/emb|AL117265.1|OST17804 2.0e-10 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	30952	Seq. ID	OJ990519_21.9A20.C13
Gene No.	64063	Strand	-
Start	1	End	1475
Name	OJ990519_21.9A20.C13.o1.gs	Method	GENSCAN
Start	8	End	456
GI	none	Score	.49
Exons	8..214, 411..456		

Seq. No.	30952	Seq. ID	OJ990519_21.9A20.C13
Gene No.	64063	Strand	-
Start	1	End	1475
Name	OJ990519_21.9A20.C13.o2.tw	Method	TBLASTX:Wheat
Start	340	End	672
GI	none	Score	72
Exons	340..672, 346..594		

Seq. No.	30952	Seq. ID	OJ990519_21.9A20.C13
Gene No.	64063	Strand	-
Start	1	End	1475
Name	OJ990519_21.9A20.C13.o2.tm	Method	TBLASTX:Maize
Start	403	End	874
GI	none	Score	71
Exons	403..489, 407..484, 502..840, 725..841, 818..874		

Seq. No.	30952	Seq. ID	OJ990519_21.9A20.C13
Gene No.	64063	Strand	-
Start	1	End	1475
Name	OJ990519_21.9A20.C13.o1.tw	Method	TBLASTX:Wheat
Start	772	End	1325
GI	none	Score	76
Exons	772..807, 917..955, 962..1042, 997..1116, 1020..1178, 1020..1325		

Seq. No.	30952	Seq. ID	OJ990519_21.9A20.C13
Gene No.	64063	Strand	-
Start	1	End	1475
Name	OJ990519_21.9A20.C13.o1.ts	Method	TBLASTX:Soybean

Start	947	End	1475
GI	none	Score	59
Exons	947..1042, 1020..1133, 1122..1475, 1150..1239, 1318..1359, 1417..1464		

Seq. No.	30952	Seq. ID	OJ990519_21.9A20.C13
Gene No.	64063	Strand	-
Start	1	End	1475
Name	OJ990519_21.9A20.C13.o1.tm	Method	TBLASTX:Maize
Start	1063	End	1380
GI	none	Score	102
Exons	1063..1242, 1077..1379, 1101..1346, 1303..1380		

Seq. No.	30953	Seq. ID	OJ990519_21.9A20.C14
Gene No.	64064	Strand	+
Start	185	End	454
Name	OJ990519_21.9A20.C14.o1.gs	Method	GENSCAN
Start	185	End	454
GI	none	Score	.82
Exons	185..329, 404..454		

Seq. No.	30954	Seq. ID	OJ990519_25.9A03.C2
Gene No.	64065	Strand	+
Start	1411	End	2242
Name	OJ990519_25.9A03.C2.o1.gs	Method	GENSCAN
Start	1411	End	2242
GI	none	Score	.63
Exons	1411..1434, 2034..2242		

Seq. No.	30955	Seq. ID	OJ990519_25.9A03.C3
Gene No.	64066	Strand	+
Start	1	End	4853
Name	OJ990519_25.9A03.C3.o1.gp	Method	AAT/GAP
Start	1	End	4853
GI	LIB3477-003-P1-K1-E9	Score	125
Exons	1..24, 2703..2743, 4789..4853		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	30955	Seq. ID	OJ990519_25.9A03.C3
Gene No.	64067	Strand	-
Start	27	End	2325
Name	OJ990519_25.9A03.C3.o1.gs	Method	GENSCAN
Start	27	End	2325
GI	none	Score	.92
Exons	27..401, 1115..1650, 1761..2325		

Seq. No.	30955	Seq. ID	OJ990519_25.9A03.C3
Gene No.	64067	Strand	-
Start	27	End	2325
Name	OJ990519_25.9A03.C3.o1.tm	Method	TBLASTX:Maize
Start	1193	End	1631
GI	none	Score	95
Exons	1193..1309, 1196..1312, 1319..1447, 1325..1450, 1505..1627, 1506..1631		

Seq. No.	30956	Seq. ID	OJ990519_25.9A03.C4
Gene No.	64068	Strand	+
Start	6986	End	8791
Name	OJ990519_25.9A03.C4.o2.gs	Method	GENSCAN
Start	6986	End	8791
GI	none	Score	.74
Exons	6986..8791		

Seq. No.	30956	Seq. ID	OJ990519_25.9A03.C4
Gene No.	64069	Strand	+
Start	9756	End	15056
Name	OJ990519_25.9A03.C4.o3.gs	Method	GENSCAN
Start	9756	End	14855
GI	none	Score	.6
Exons	9756..10255, 10550..10660, 10838..10947, 11130..11217, 11732..11811, 12485..12587, 12684..12840, 12961..13089, 14120..14206, 14368..14412, 14694..14855		

Seq. No.	30956	Seq. ID	OJ990519_25.9A03.C4
Gene No.	64069	Strand	+
Start	9756	End	15056
Name	OJ990519_25.9A03.C4.o1.gp	Method	AAT/GAP
Start	11116	End	11838
GI	none	Score	279
Exons	11116..11217, 11732..11838		

Seq. No.	30956	Seq. ID	OJ990519_25.9A03.C4
Gene No.	64069	Strand	+
Start	9756	End	15056
Name	OJ990519_25.9A03.C4.o2.gp	Method	AAT/GAP
Start	12982	End	15056
GI	LIB3431-055-P1-N1-D7	Score	1130
Exons	12982..13089, 14120..14206, 14368..14412, 14694..15056		
GI Descrip.	'3861104/emb|CAA15004| 3.0e-21 (AJ235272) HEMOLYSIN (tlyA) [Rickettsia prowazekii]'		

Seq. No.	30956	Seq. ID	OJ990519_25.9A03.C4
Gene No.	64070	Strand	+
Start	18453	End	20520
Name	OJ990519_25.9A03.C4.o5.gs	Method	GENSCAN
Start	18453	End	20520
GI	none	Score	.55
Exons	18453..18496, 18676..19072, 19364..19532, 20354..20520		

Seq. No.	30956	Seq. ID	OJ990519_25.9A03.C4
Gene No.	64071	Strand	+
Start	27070	End	28075
Name	OJ990519_25.9A03.C4.o6.gs	Method	GENSCAN
Start	27070	End	28075
GI	none	Score	.69
Exons	27070..27156, 28058..28075		

Seq. No.	30956	Seq. ID	OJ990519_25.9A03.C4
Gene No.	64072	Strand	-
Start	565	End	967
Name	OJ990519_25.9A03.C4.o1.gs	Method	GENSCAN
Start	565	End	967

GI	none	Score	.46
Exons	565..967		

Seq. No.	30956	Seq. ID	OJ990519_25.9A03.C4
Gene No.	64073	Strand	-
Start	16531	End	19093
Name	OJ990519_25.9A03.C4.o2.tc	Method	TBLASTX:Cress
Start	11730	End	13097
GI	none	Score	117
Exons	11730..11813, 12465..12587, 12490..12615, 12682..12846, 12957..13097, 12958..13080	12468..12608, 12478..12588, 12735..12803, 12743..12841,	

Seq. No.	30956	Seq. ID	OJ990519_25.9A03.C4
Gene No.	64073	Strand	-
Start	16531	End	19093
Name	OJ990519_25.9A03.C4.o2.ts	Method	TBLASTX:Soybean
Start	11730	End	12774
GI	none	Score	121
Exons	11730..11813, 11732..11812, 12682..12774	12478..12588, 12483..12587,	

Seq. No.	30956	Seq. ID	OJ990519_25.9A03.C4
Gene No.	64073	Strand	-
Start	16531	End	19093
Name	OJ990519_25.9A03.C4.o2.tm	Method	TBLASTX:Maize
Start	12742	End	14418
GI	none	Score	184
Exons	12742..12846, 12743..12841, 12960..13091, 14104..14178, 14364..14414, 14365..14418,	12940..13089, 12958..13092, 14120..14209, 14120..14221, 14365..14415	

Seq. No.	30956	Seq. ID	OJ990519_25.9A03.C4
Gene No.	64073	Strand	-
Start	16531	End	19093
Name	OJ990519_25.9A03.C4.o3.tm	Method	TBLASTX:Maize
Start	14700	End	14842
GI	none	Score	230
Exons	14700..14837, 14700..14819,	14702..14839, 14702..14842	

Seq. No.	30956	Seq. ID	OJ990519_25.9A03.C4
Gene No.	64073	Strand	-
Start	16531	End	19093
Name	OJ990519_25.9A03.C4.o3.gp	Method	AAT/GAP
Start	16264	End	19093
GI	331_1.R1084	Score	3277
Exons	16264..17187, 17300..17670,	17757..17991, 18884..19093	
GI Descrip.	'1136122/emb|CAA62917| 0.0e+00 (X91807) alfa-tubulin [Oryza sativa]'		

Seq. No.	30956	Seq. ID	OJ990519_25.9A03.C4
Gene No.	64073	Strand	-
Start	16531	End	19093
Name	OJ990519_25.9A03.C4.o1.tw	Method	TBLASTX:Wheat
Start	16450	End	17160
GI	none	Score	45
Exons	16450..16485, 16453..16485,	16570..16914, 16591..17157,	

16664..17158, 16987..17160

Seq. No.	30956	Seq. ID	OJ990519_25.9A03.C4
Gene No.	64073	Strand	-
Start	16531	End	19093
Name	OJ990519_25.9A03.C4.o4.gs	Method	GENSCAN
Start	16531	End	17979
GI	none	Score	.96
Exons	16531..17187, 17300..17670, 17757..17979		

Seq. No.	30956	Seq. ID	OJ990519_25.9A03.C4
Gene No.	64073	Strand	-
Start	16531	End	19093
Name	OJ990519_25.9A03.C4.o1.np	Method	AAT/NAP
Start	16534	End	18976
GI	1136122	Score	2269
Exons	16534..17187, 17300..17670, 17757..17991, 18884..18976		
GI Descrip.	(X91807) alfa-tubulin [Oryza sativa]		

Seq. No.	30956	Seq. ID	OJ990519_25.9A03.C4
Gene No.	64073	Strand	-
Start	16531	End	19093
Name	OJ990519_25.9A03.C4.o1.tm	Method	TBLASTX:Maize
Start	16573	End	18986
GI	none	Score	248
Exons	16573..16911, 16591..17205, 16664..17191, 17294..17674, 17304..17525, 17309..17671, 17577..17672, 17758..17997, 17759..17992, 17759..17998, 17788..17994, 18884..18976, 18884..18985, 18888..18986		

Seq. No.	30956	Seq. ID	OJ990519_25.9A03.C4
Gene No.	64073	Strand	-
Start	16531	End	19093
Name	OJ990519_25.9A03.C4.o1.ts	Method	TBLASTX:Soybean
Start	16573	End	18958
GI	none	Score	204
Exons	16573..16893, 16591..16914, 16664..16915, 16897..16956, 16898..16954, 16954..17145, 16958..17146, 17143..17205, 17144..17206, 17294..17677, 17299..17658, 17773..17826, 17774..17827, 17824..17925, 17825..17920, 17937..17957, 17953..17991, 17954..17992, 18888..18908, 18908..18958, 18909..18956		

Seq. No.	30956	Seq. ID	OJ990519_25.9A03.C4
Gene No.	64073	Strand	-
Start	16531	End	19093
Name	OJ990519_25.9A03.C4.o1.tc	Method	TBLASTX:Cress
Start	16582	End	18988
GI	none	Score	191
Exons	16582..16917, 16591..17076, 16664..17077, 16987..17082, 17077..17205, 17078..17206, 17294..17674, 17298..17525, 17300..17671, 17756..17992, 17758..17997, 17788..17997, 18884..18976, 18884..18988, 18888..18977		

Seq. No.	30956	Seq. ID	OJ990519_25.9A03.C4
Gene No.	64073	Strand	-
Start	16531	End	19093

Name	OJ990519_25.9A03.C4.o3.tw	Method	TBLASTX:Wheat
Start	17162	End	17479
GI	none	Score	41
Exons	17162..17206, 17294..17479, 17299..17472, 17300..17473		

Seq. No.	30956	Seq. ID	OJ990519_25.9A03.C4
Gene No.	64073	Strand	-
Start	16531	End	19093
Name	OJ990519_25.9A03.C4.o2.tw	Method	TBLASTX:Wheat
Start	17480	End	19073
GI	none	Score	48
Exons	17480..17512, 17481..17513, 17495..17671, 17508..17669, 17756..17992, 17758..17997, 17788..17997, 18884..18976, 18884..18982, 18888..18983, 19044..19073		

Seq. No.	30957	Seq. ID	OJ990519_25.9A03.C5
Gene No.	64074	Strand	+
Start	1825	End	2394
Name	OJ990519_25.9A03.C5.o1.gs	Method	GENSCAN
Start	1825	End	2394
GI	none	Score	.95
Exons	1825..2117, 2278..2394		

Seq. No.	30957	Seq. ID	OJ990519_25.9A03.C5
Gene No.	64075	Strand	+
Start	8386	End	9872
Name	OJ990519_25.9A03.C5.o1.np	Method	AAT/NAP
Start	8386	End	9872
GI	5852093	Score	83
Exons	8386..8412, 9766..9872		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	30957	Seq. ID	OJ990519_25.9A03.C5
Gene No.	64076	Strand	+
Start	10335	End	11156
Name	OJ990519_25.9A03.C5.o1.gp	Method	AAT/GAP
Start	10335	End	11156
GI	none	Score	1137
Exons	10335..10624, 10822..11156		

Seq. No.	30957	Seq. ID	OJ990519_25.9A03.C5
Gene No.	64077	Strand	-
Start	2888	End	4244
Name	OJ990519_25.9A03.C5.o2.gs	Method	GENSCAN
Start	2888	End	4244
GI	none	Score	.76
Exons	2888..3474, 3576..3614, 4043..4244		

Seq. No.	30957	Seq. ID	OJ990519_25.9A03.C5
Gene No.	64078	Strand	-
Start	5955	End	11288
Name	OJ990519_25.9A03.C5.o3.gs	Method	GENSCAN
Start	5955	End	11288
GI	none	Score	.51
Exons	5955..6075, 10338..10569, 11023..11083, 11157..11288		

Seq. No.	30957	Seq. ID	OJ990519_25.9A03.C5

Gene No.	64079	Strand	-
Start	14625	End	18209
Name	OJ990519_25.9A03.C5.o2.gp	Method	AAT/GAP
Start	14181	End	16849
GI	1171_1.R1084	Score	3094
Exons	14181..15419, 16499..16849		
GI Descrip.	'3212865 1.0e-146 (AC004005) unknown protein [Arabidopsis thaliana]'		

Seq. No.	30957	Seq. ID	OJ990519_25.9A03.C5
Gene No.	64079	Strand	-
Start	14625	End	18209
Name	OJ990519_25.9A03.C5.o2.np	Method	AAT/NAP
Start	14610	End	17637
GI	3212865	Score	1758
Exons	14610..15419, 16499..16931, 17080..17423, 17484..17637		
GI Descrip.	(AC004005) unknown protein [Arabidopsis thaliana]		

Seq. No.	30957	Seq. ID	OJ990519_25.9A03.C5
Gene No.	64079	Strand	-
Start	14625	End	18209
Name	OJ990519_25.9A03.C5.o3.ts	Method	TBLASTX:Soybean
Start	14616	End	14882
GI	none	Score	228
Exons	14616..14882, 14632..14880		

Seq. No.	30957	Seq. ID	OJ990519_25.9A03.C5
Gene No.	64079	Strand	-
Start	14625	End	18209
Name	OJ990519_25.9A03.C5.o4.gs	Method	GENSCAN
Start	14625	End	18209
GI	none	Score	.81
Exons	14625..15419, 16499..16931, 17080..17363, 17371..17522, 17560..17668, 18024..18209		

Seq. No.	30957	Seq. ID	OJ990519_25.9A03.C5
Gene No.	64079	Strand	-
Start	14625	End	18209
Name	OJ990519_25.9A03.C5.o3.tc	Method	TBLASTX:Cress
Start	14698	End	14946
GI	none	Score	179
Exons	14698..14946, 14709..14945		

Seq. No.	30957	Seq. ID	OJ990519_25.9A03.C5
Gene No.	64079	Strand	-
Start	14625	End	18209
Name	OJ990519_25.9A03.C5.o1.tm	Method	TBLASTX:Maize
Start	14766	End	17312
GI	none	Score	411
Exons	14766..15419, 14767..15123, 14769..15425, 15074..15430, 15212..15424, 16473..16565, 16496..16567, 16503..16568, 17271..17312		

Seq. No.	30957	Seq. ID	OJ990519_25.9A03.C5
Gene No.	64079	Strand	-
Start	14625	End	18209
Name	OJ990519_25.9A03.C5.o1.ts	Method	TBLASTX:Soybean

Start	14886	End	16703
GI	none	Score	131
Exons	14886..15083, 14896..15084, 15075..15419, 15181..15420, 15187..15420, 16496..16702, 16503..16703		

Seq. No.	30957	Seq. ID	OJ990519_25.9A03.C5
Gene No.	64079	Strand	-
Start	14625	End	18209
Name	OJ990519_25.9A03.C5.o1.tw	Method	TBLASTX:Wheat
Start	15165	End	16657
GI	none	Score	321
Exons	15165..15425, 15181..15429, 15184..15300, 15213..15419, 16496..16657, 16499..16651, 16503..16652		

Seq. No.	30957	Seq. ID	OJ990519_25.9A03.C5
Gene No.	64079	Strand	-
Start	14625	End	18209
Name	OJ990519_25.9A03.C5.o2.tc	Method	TBLASTX:Cress
Start	15187	End	15425
GI	none	Score	228
Exons	15187..15420, 15213..15425, 15213..15419		

Seq. No.	30957	Seq. ID	OJ990519_25.9A03.C5
Gene No.	64079	Strand	-
Start	14625	End	18209
Name	OJ990519_25.9A03.C5.o1.tc	Method	TBLASTX:Cress
Start	16496	End	16934
GI	none	Score	394
Exons	16496..16933, 16503..16934		

Seq. No.	30957	Seq. ID	OJ990519_25.9A03.C5
Gene No.	64079	Strand	-
Start	14625	End	18209
Name	OJ990519_25.9A03.C5.o2.tm	Method	TBLASTX:Maize
Start	16569	End	16931
GI	none	Score	547
Exons	16569..16931, 16569..16916, 16573..16917, 16604..16930		

Seq. No.	30957	Seq. ID	OJ990519_25.9A03.C5
Gene No.	64079	Strand	-
Start	14625	End	18209
Name	OJ990519_25.9A03.C5.o2.ts	Method	TBLASTX:Soybean
Start	16704	End	16942
GI	none	Score	215
Exons	16704..16937, 16706..16942, 16706..16936, 16813..16938		

Seq. No.	30957	Seq. ID	OJ990519_25.9A03.C5
Gene No.	64079	Strand	-
Start	14625	End	18209
Name	OJ990519_25.9A03.C5.o4.ts	Method	TBLASTX:Soybean
Start	17211	End	17414
GI	none	Score	96
Exons	17211..17414, 17257..17385		

Seq. No.	30958	Seq. ID	OJ990519_25.9A03.C6
Gene No.	64080	Strand	+
Start	7835	End	7949

Name	OJ990519_25.9A03.C6.o1.gp	Method	AAT/GAP
Start	7835	End	7949
GI	LIB3477-003-P1-K1-E9	Score	104
Exons	7835..7949		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	30958	Seq. ID	OJ990519_25.9A03.C6
Gene No.	64081	Strand	-
Start	3674	End	4081
Name	OJ990519_25.9A03.C6.o2.gs	Method	GENSCAN
Start	3674	End	4081
GI	none	Score	.7
Exons	3674..3819, 3970..4081		

Seq. No.	30958	Seq. ID	OJ990519_25.9A03.C6
Gene No.	64082	Strand	-
Start	6645	End	7586
Name	OJ990519_25.9A03.C6.o3.gs	Method	GENSCAN
Start	6645	End	7586
GI	none	Score	.9
Exons	6645..6952, 7535..7586		

Seq. No.	30959	Seq. ID	OJ990519_25.9A03.C7
Gene No.	64083	Strand	-
Start	1	End	138
Name	OJ990519_25.9A03.C7.o1.gp	Method	AAT/GAP
Start	1	End	138
GI	none	Score	232
Exons	1..138		

Seq. No.	30959	Seq. ID	OJ990519_25.9A03.C7
Gene No.	64084	Strand	-
Start	772	End	1168
Name	OJ990519_25.9A03.C7.o1.np	Method	AAT/NAP
Start	772	End	1168
GI	6006359	Score	55
Exons	772..891, 1100..1168		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	30960	Seq. ID	OJ990519_25.9A03.C8
Gene No.	64085	Strand	+
Start	3253	End	3321
Name	OJ990519_25.9A03.C8.o1.gp	Method	AAT/GAP
Start	3253	End	3321
GI	12650_1.R1084	Score	112
Exons	3253..3321		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 2.0e-24 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	30960	Seq. ID	OJ990519_25.9A03.C8
Gene No.	64086	Strand	-
Start	2667	End	2799
Name	OJ990519_25.9A03.C8.o1.gs	Method	GENSCAN
Start	2667	End	2799
GI	none	Score	.68

Exons	2667..2799		
Seq. No.	30961	Seq. ID	OJ990519_25.9A03.C9
Gene No.	64087	Strand	-
Start	1	End	58
Name	OJ990519_25.9A03.C9.o1.gp	Method	AAT/GAP
Start	1	End	58
GI	2338_1.R1084	Score	88
Exons	1..58		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 2.0e-40 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		
Seq. No.	30961	Seq. ID	OJ990519_25.9A03.C9
Gene No.	64088	Strand	-
Start	138	End	4552
Name	OJ990519_25.9A03.C9.o1.gs	Method	GENSCAN
Start	138	End	3788
GI	none	Score	.7
Exons	138..254, 382..474, 727..847, 2571..2761, 3691..3788		
Seq. No.	30961	Seq. ID	OJ990519_25.9A03.C9
Gene No.	64088	Strand	-
Start	138	End	4552
Name	OJ990519_25.9A03.C9.o1.np	Method	AAT/NAP
Start	286	End	4552
GI	5870865	Score	214
Exons	286..479, 732..865, 2571..2713, 4458..4552		
GI Descrip.	(AF020760) serine protease [Homo sapiens]		
Seq. No.	30961	Seq. ID	OJ990519_25.9A03.C9
Gene No.	64088	Strand	-
Start	138	End	4552
Name	OJ990519_25.9A03.C9.o1.ts	Method	TBLASTX:Soybean
Start	2582	End	4541
GI	none	Score	143
Exons	2582..2713, 2583..2714, 4461..4541		
Seq. No.	30962	Seq. ID	OJ990519_25.9A03.C11
Gene No.	64089	Strand	-
Start	1	End	636
Name	OJ990519_25.9A03.C11.o1.np	Method	AAT/NAP
Start	1	End	636
GI	2498930	Score	721
Exons	1..405, 573..636		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	30962	Seq. ID	OJ990519_25.9A03.C11
Gene No.	64089	Strand	-
Start	1	End	636
Name	OJ990519_25.9A03.C11.o1.gs	Method	GENSCAN
Start	11	End	632
GI	none	Score	1
Exons	11..405, 573..632		
Seq. No.	30963	Seq. ID	OJ990519_25.9A03.C12
Gene No.	64090	Strand	+

Start	222	End	4179
Name	OJ990519_25.9A03.C12.o1.gs	Method	GENSCAN
Start	222	End	2835
GI	none	Score	.8
Exons	222..341, 1020..1067, 1164..1232, 2394..2537, 2617..2835		

Seq. No.	30963	Seq. ID	OJ990519_25.9A03.C12
Gene No.	64090	Strand	+
Start	222	End	4179
Name	OJ990519_25.9A03.C12.o1.gp	Method	AAT/GAP
Start	245	End	352
GI	3768153	Score	173
Exons	245..352		
GI Descrip.	3212854 4.0e-29 (AC004005) unknown protein [Arabidopsis thaliana]		

Seq. No.	30963	Seq. ID	OJ990519_25.9A03.C12
Gene No.	64090	Strand	+
Start	222	End	4179
Name	OJ990519_25.9A03.C12.o1.np	Method	AAT/NAP
Start	1159	End	3790
GI	3212854	Score	198
Exons	1159..1247, 2394..2524, 3422..3647, 3692..3790		
GI Descrip.	(AC004005) unknown protein [Arabidopsis thaliana]		

Seq. No.	30963	Seq. ID	OJ990519_25.9A03.C12
Gene No.	64090	Strand	+
Start	222	End	4179
Name	OJ990519_25.9A03.C12.o2.gp	Method	AAT/GAP
Start	1163	End	4179
GI	22664_1.R1084	Score	1807
Exons	1163..1232, 2394..2537, 3435..4179		
GI Descrip.	'3212854 4.0e-29 (AC004005) unknown protein [Arabidopsis thaliana]'		

Seq. No.	30963	Seq. ID	OJ990519_25.9A03.C12
Gene No.	64091	Strand	+
Start	13968	End	17351
Name	OJ990519_25.9A03.C12.o5.gs	Method	GENSCAN
Start	13968	End	17351
GI	none	Score	.64
Exons	13968..14093, 17073..17351		

Seq. No.	30963	Seq. ID	OJ990519_25.9A03.C12
Gene No.	64092	Strand	+
Start	27372	End	27709
Name	OJ990519_25.9A03.C12.o7.gs	Method	GENSCAN
Start	27372	End	27709
GI	none	Score	.62
Exons	27372..27447, 27597..27709		

Seq. No.	30963	Seq. ID	OJ990519_25.9A03.C12
Gene No.	64093	Strand	-
Start	3394	End	3852
Name	OJ990519_25.9A03.C12.o2.gs	Method	GENSCAN
Start	3394	End	3852
GI	none	Score	.97

Exons	3394..3852		
Seq. No.	30963	Seq. ID	OJ990519_25.9A03.C12
Gene No.	64094	Strand	-
Start	4857	End	5258
Name	OJ990519_25.9A03.C12.o3.gs	Method	GENSCAN
Start	4857	End	5258
GI	none	Score	1
Exons	4857..5258		
Seq. No.	30963	Seq. ID	OJ990519_25.9A03.C12
Gene No.	64095	Strand	-
Start	7295	End	8807
Name	OJ990519_25.9A03.C12.o2.np	Method	AAT/NAP
Start	7295	End	8807
GI	4206204	Score	97
Exons	7295..7324, 8412..8807		
GI Descrip.	(AF071527) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	30963	Seq. ID	OJ990519_25.9A03.C12
Gene No.	64096	Strand	-
Start	19420	End	26352
Name	OJ990519_25.9A03.C12.o6.gs	Method	GENSCAN
Start	19420	End	26352
GI	none	Score	.81
Exons	19420..20019, 20095..20142, 20444..20642, 22975..23041, 23137..24602, 24692..25736, 25927..26081, 26195..26352		
Seq. No.	30963	Seq. ID	OJ990519_25.9A03.C12
Gene No.	64096	Strand	-
Start	19420	End	26352
Name	OJ990519_25.9A03.C12.o3.np	Method	AAT/NAP
Start	23150	End	25629
GI	4063770	Score	1353
Exons	23150..24602, 24692..25629		
GI Descrip.	(AB004906) transposase [Ipomoea purpurea]		
Seq. No.	30963	Seq. ID	OJ990519_25.9A03.C12
Gene No.	64096	Strand	-
Start	19420	End	26352
Name	OJ990519_25.9A03.C12.o2.tm	Method	TBLASTX:Maize
Start	23198	End	23626
GI	none	Score	144
Exons	23198..23626, 23222..23494, 23271..23603		
Seq. No.	30963	Seq. ID	OJ990519_25.9A03.C12
Gene No.	64096	Strand	-
Start	19420	End	26352
Name	OJ990519_25.9A03.C12.o1.tm	Method	TBLASTX:Maize
Start	24098	End	24502
GI	none	Score	113
Exons	24098..24190, 24102..24191, 24168..24491, 24194..24502, 24258..24491		
Seq. No.	30963	Seq. ID	OJ990519_25.9A03.C12
Gene No.	64096	Strand	-
Start	19420	End	26352

Name	OJ990519_25.9A03.C12.o3.tm	Method	TBLASTX:Maize
Start	24931	End	25401
GI	none	Score	48
Exons	24931..24993, 24991..25230, 25081..25230, 25244..25339, 25249..25341, 25360..25401, 25364..25399		

Seq. No.	30964	Seq. ID	OJ990519_25.9A03.C13
Gene No.	64097	Strand	-
Start	256	End	657
Name	OJ990519_25.9A03.C13.o1.gs	Method	GENSCAN
Start	256	End	657
GI	none	Score	.89
Exons	256..657		

Seq. No.	30965	Seq. ID	OJ990519_25.9A03.C14
Gene No.	64098	Strand	+
Start	365	End	722
Name	OJ990519_25.9A03.C14.o1.gs	Method	GENSCAN
Start	365	End	722
GI	none	Score	.78
Exons	365..436, 603..722		

Seq. No.	30965	Seq. ID	OJ990519_25.9A03.C14
Gene No.	64099	Strand	+
Start	3312	End	5250
Name	OJ990519_25.9A03.C14.o3.gs	Method	GENSCAN
Start	3312	End	5250
GI	none	Score	.9
Exons	3312..4084, 4495..4876, 5179..5250		

Seq. No.	30965	Seq. ID	OJ990519_25.9A03.C14
Gene No.	64100	Strand	+
Start	5838	End	6410
Name	OJ990519_25.9A03.C14.o3.gp	Method	AAT/GAP
Start	5838	End	6410
GI	uC-osroM202012f04a1	Score	1099
Exons	5838..6410		
GI Descrip.	'3212854 4.0e-29 (AC004005) unknown protein [Arabidopsis thaliana]'		

Seq. No.	30965	Seq. ID	OJ990519_25.9A03.C14
Gene No.	64101	Strand	-
Start	1121	End	1608
Name	OJ990519_25.9A03.C14.o1.gp	Method	AAT/GAP
Start	1121	End	1608
GI	LIB3433-039-P1-K1-C11	Score	802
Exons	1121..1262, 1283..1608		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	30965	Seq. ID	OJ990519_25.9A03.C14
Gene No.	64102	Strand	-
Start	6020	End	8783
Name	OJ990519_25.9A03.C14.o2.tw	Method	TBLASTX:Wheat
Start	3876	End	4085
GI	none	Score	144
Exons	3876..3992, 3881..3988, 4020..4085		

Seq. No.	30965	Seq. ID	OJ990519_25.9A03.C14
Gene No.	64102	Strand	-
Start	6020	End	8783
Name	OJ990519_25.9A03.C14.o4.gs	Method	GENSCAN
Start	6020	End	8783
GI	none	Score	.87
Exons	6020..6105, 6510..6587, 6823..7087, 7166..7623, 7767..8113, 8356..8783		

Seq. No.	30965	Seq. ID	OJ990519_25.9A03.C14
Gene No.	64102	Strand	-
Start	6020	End	8783
Name	OJ990519_25.9A03.C14.o1.tw	Method	TBLASTX:Wheat
Start	7271	End	7633
GI	none	Score	44
Exons	7271..7633, 7293..7448, 7539..7625		

Seq. No.	30965	Seq. ID	OJ990519_25.9A03.C14
Gene No.	64102	Strand	-
Start	6020	End	8783
Name	OJ990519_25.9A03.C14.o1.ts	Method	TBLASTX:Soybean
Start	7304	End	7977
GI	none	Score	147
Exons	7304..7633, 7754..7939, 7756..7977		

Seq. No.	30965	Seq. ID	OJ990519_25.9A03.C14
Gene No.	64102	Strand	-
Start	6020	End	8783
Name	OJ990519_25.9A03.C14.o1.tm	Method	TBLASTX:Maize
Start	7511	End	8037
GI	none	Score	187
Exons	7511..7624, 7760..8026, 7762..8037, 7763..8035, 7804..8037		

Seq. No.	30966	Seq. ID	OJ990519_25.9A03.C17
Gene No.	64103	Strand	-
Start	1	End	350
Name	OJ990519_25.9A03.C17.o1.np	Method	AAT/NAP
Start	1	End	350
GI	6742729	Score	285
Exons	1..350		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	30966	Seq. ID	OJ990519_25.9A03.C17
Gene No.	64103	Strand	-
Start	1	End	350
Name	OJ990519_25.9A03.C17.o1.tw	Method	TBLASTX:Wheat
Start	7	End	231
GI	none	Score	48
Exons	7..231, 13..90, 50..187		

Seq. No.	30967	Seq. ID	OJ990519_25.9A03.C18
Gene No.	64104	Strand	-
Start	1	End	75
Name	OJ990519_25.9A03.C18.o1.gp	Method	AAT/GAP
Start	1	End	75
GI	LIB3477-003-P1-K1-E9	Score	123

Exons	1..75		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	30968	Seq. ID	OJ990519_25.9A03.C20
Gene No.	64105	Strand	+
Start	1	End	260
Name	OJ990519_25.9A03.C20.o1.gp	Method	AAT/GAP
Start	1	End	260
GI	72524_1.R1084	Score	317
Exons	1..260		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		
Seq. No.	30969	Seq. ID	OJ990519_25.9A03.C21
Gene No.	64106	Strand	-
Start	101	End	600
Name	OJ990519_25.9A03.C21.o1.gs	Method	GENSCAN
Start	101	End	600
GI	none	Score	.4
Exons	101..600		
Seq. No.	30970	Seq. ID	OJ990519_25.9A03.C22
Gene No.	64107	Strand	-
Start	479	End	1095
Name	OJ990519_25.9A03.C22.o1.np	Method	AAT/NAP
Start	453	End	1095
GI	4680203	Score	289
Exons	453..1095		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	30970	Seq. ID	OJ990519_25.9A03.C22
Gene No.	64107	Strand	-
Start	479	End	1095
Name	OJ990519_25.9A03.C22.o1.gs	Method	GENSCAN
Start	479	End	952
GI	none	Score	.91
Exons	479..952		
Seq. No.	30970	Seq. ID	OJ990519_25.9A03.C22
Gene No.	64107	Strand	-
Start	479	End	1095
Name	OJ990519_25.9A03.C22.o1.tw	Method	TBLASTX:Wheat
Start	533	End	1036
GI	none	Score	78
Exons	533..652, 653..757, 654..761, 776..829, 777..830, 829..873, 830..880, 896..1036, 897..1022		
Seq. No.	30970	Seq. ID	OJ990519_25.9A03.C22
Gene No.	64107	Strand	-
Start	479	End	1095
Name	OJ990519_25.9A03.C22.o1.ts	Method	TBLASTX:Soybean
Start	596	End	844
GI	none	Score	97
Exons	596..844, 660..842		

Seq. No.	30971	Seq. ID	OJ990519_25.9A03.C23
Gene No.	64108	Strand	-
Start	1	End	842
Name	OJ990519_25.9A03.C23.o1.np	Method	AAT/NAP
Start	1	End	729
GI	4680203	Score	355
Exons	1..729		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	30971	Seq. ID	OJ990519_25.9A03.C23
Gene No.	64108	Strand	-
Start	1	End	842
Name	OJ990519_25.9A03.C23.o1.tw	Method	TBLASTX:Wheat
Start	2	End	274
GI	none	Score	111
Exons	2..274, 6..239		

Seq. No.	30971	Seq. ID	OJ990519_25.9A03.C23
Gene No.	64108	Strand	-
Start	1	End	842
Name	OJ990519_25.9A03.C23.o1.ts	Method	TBLASTX:Soybean
Start	5	End	298
GI	none	Score	155
Exons	5..244, 12..245, 27..245, 243..293, 251..298		

Seq. No.	30971	Seq. ID	OJ990519_25.9A03.C23
Gene No.	64108	Strand	-
Start	1	End	842
Name	OJ990519_25.9A03.C23.o1.gs	Method	GENSCAN
Start	68	End	842
GI	none	Score	.66
Exons	68..319, 551..729, 830..842		

Seq. No.	30972	Seq. ID	OJ990519_25.9A03.C24
Gene No.	64109	Strand	+
Start	79	End	209
Name	OJ990519_25.9A03.C24.o1.gs	Method	GENSCAN
Start	79	End	209
GI	none	Score	.78
Exons	79..209		

Seq. No.	30973	Seq. ID	OJ990519_25.9A03.C26
Gene No.	64110	Strand	+
Start	193	End	680
Name	OJ990519_25.9A03.C26.o1.gs	Method	GENSCAN
Start	193	End	680
GI	none	Score	.87
Exons	193..431, 510..680		

Seq. No.	30974	Seq. ID	OJ990519_25.9A03.C27
Gene No.	64111	Strand	-
Start	19	End	257
Name	OJ990519_25.9A03.C27.o1.gs	Method	GENSCAN
Start	19	End	257
GI	none	Score	.82
Exons	19..68, 193..257		

Seq. No.	30975	Seq. ID	OJ990519_25.9A03.C28
Gene No.	64112	Strand	-
Start	1	End	687
Name	OJ990519_25.9A03.C28.o1.np	Method	AAT/NAP
Start	1	End	687
GI	4680203	Score	651
Exons	1..687		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	30975	Seq. ID	OJ990519_25.9A03.C28
Gene No.	64112	Strand	-
Start	1	End	687
Name	OJ990519_25.9A03.C28.o1.ts	Method	TBLASTX:Soybean
Start	88	End	322
GI	none	Score	70
Exons	88..321, 161..322		

Seq. No.	30975	Seq. ID	OJ990519_25.9A03.C28
Gene No.	64112	Strand	-
Start	1	End	687
Name	OJ990519_25.9A03.C28.o1.tm	Method	TBLASTX:Maize
Start	157	End	601
GI	none	Score	84
Exons	157..348, 173..349, 358..600, 374..436, 476..601		

Seq. No.	30975	Seq. ID	OJ990519_25.9A03.C28
Gene No.	64112	Strand	-
Start	1	End	687
Name	OJ990519_25.9A03.C28.o1.tw	Method	TBLASTX:Wheat
Start	346	End	658
GI	none	Score	120
Exons	346..642, 346..657, 386..658		

Seq. No.	30975	Seq. ID	OJ990519_25.9A03.C28
Gene No.	64112	Strand	-
Start	1	End	687
Name	OJ990519_25.9A03.C28.o1.tc	Method	TBLASTX:Cress
Start	445	End	687
GI	none	Score	96
Exons	445..687, 470..598, 638..673		

Seq. No.	30976	Seq. ID	OJ990709_13.9A21.C3
Gene No.	64113	Strand	+
Start	70	End	558
Name	OJ990709_13.9A21.C3.o1.gs	Method	GENSCAN
Start	70	End	558
GI	none	Score	.54
Exons	70..558		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64114	Strand	+
Start	6716	End	17340
Name	OJ990709_13.9A21.C4.o1.np	Method	AAT/NAP
Start	6716	End	16487
GI	6721561	Score	989
Exons	6716..6788, 15348..15524, 15597..15655, 15725..16487		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa]
gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976)
corresponds to a region of the predicted gene.; hypothetical
protein [Oryza sativa]

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64114	Strand	+
Start	6716	End	17340
Name	OJ990709_13.9A21.C4.o4.gs	Method	GENSCAN
Start	12858	End	17340
GI	none	Score	.82
Exons	12858..12933, 13156..13190, 13856..13929, 13963..14039, 14348..14452, 14549..14753, 14787..15073, 15154..15278, 15390..15524, 15597..15655, 15725..16462, 16606..16751, 16824..17005, 17044..17340		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64115	Strand	+
Start	24151	End	24887
Name	OJ990709_13.9A21.C4.o1.gp	Method	AAT/GAP
Start	24151	End	24887
GI	101153_1.R1084	Score	398
Exons	24151..24188, 24637..24887		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64116	Strand	+
Start	31976	End	34941
Name	OJ990709_13.9A21.C4.o8.gs	Method	GENSCAN
Start	31976	End	34941
GI	none	Score	.41
Exons	31976..31989, 34243..34466, 34913..34941		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64117	Strand	+
Start	36825	End	37970
Name	OJ990709_13.9A21.C4.o9.gs	Method	GENSCAN
Start	36825	End	37970
GI	none	Score	.94
Exons	36825..37275, 37372..37970		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64117	Strand	+
Start	36825	End	37970
Name	OJ990709_13.9A21.C4.o4.np	Method	AAT/NAP
Start	36831	End	37964
GI	2224810	Score	958
Exons	36831..37275, 37372..37964		
GI Descrip.	(Z97022) cysteine proteinase [Hordeum vulgare]		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64118	Strand	+
Start	39646	End	40210
Name	OJ990709_13.9A21.C4.o10.gs	Method	GENSCAN
Start	39646	End	40210
GI	none	Score	.83

Exons	39646..39883, 39891..40210		
Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64119	Strand	+
Start	41144	End	41583
Name	OJ990709_13.9A21.C4.o5.gp	Method	AAT/GAP
Start	41144	End	41583
GI	none	Score	835
Exons	41144..41583		
Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64120	Strand	-
Start	1446	End	2599
Name	OJ990709_13.9A21.C4.o1.gs	Method	GENSCAN
Start	1446	End	2599
GI	none	Score	.47
Exons	1446..1655, 2453..2599		
Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64121	Strand	-
Start	3634	End	4655
Name	OJ990709_13.9A21.C4.o2.gs	Method	GENSCAN
Start	3634	End	4655
GI	none	Score	.87
Exons	3634..3941, 4001..4138, 4156..4355, 4513..4655		
Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64122	Strand	-
Start	5388	End	8794
Name	OJ990709_13.9A21.C4.o3.gs	Method	GENSCAN
Start	5388	End	8794
GI	none	Score	.68
Exons	5388..5634, 5821..5978, 6697..6764, 7013..7079, 7297..7417, 7720..8266, 8362..8794		
Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64123	Strand	-
Start	17956	End	30913
Name	OJ990709_13.9A21.C4.o5.gs	Method	GENSCAN
Start	17956	End	24131
GI	none	Score	.52
Exons	17956..19067, 19099..19999, 20042..20788, 21038..21088, 21257..21462, 21616..21741, 21870..21924, 21986..22903, 23871..24131		
Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64123	Strand	-
Start	17956	End	30913
Name	OJ990709_13.9A21.C4.o2.np	Method	AAT/NAP
Start	17959	End	21079
GI	5902445	Score	3137
Exons	17959..19201, 19241..21079		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64123	Strand	-
Start	17956	End	30913

Name	OJ990709_13.9A21.C4.o3.np	Method	AAT/NAP
Start	21146	End	30913
GI	5902444	Score	1047
Exons	21146..22808, 26277..26414, 28211..28310, 30822..30913		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64123	Strand	-
Start	17956	End	30913
Name	OJ990709_13.9A21.C4.o6.gs	Method	GENSCAN
Start	26117	End	27292
GI	none	Score	.96
Exons	26117..27292		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64123	Strand	-
Start	17956	End	30913
Name	OJ990709_13.9A21.C4.o7.gs	Method	GENSCAN
Start	27851	End	28784
GI	none	Score	.68
Exons	27851..27991, 28740..28784		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64124	Strand	-
Start	37797	End	38164
Name	OJ990709_13.9A21.C4.o4.gp	Method	AAT/GAP
Start	37797	End	38164
GI	51324_1.R1084	Score	716
Exons	37797..38164		
GI Descrip.	'535454 6.0e-21 (U13940) cysteine proteinase [Alnus glutinosa]'		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o1.ts	Method	TBLASTX:Soybean
Start	7672	End	37970
GI	none	Score	95
Exons	7672..7860, 7680..7868, 7680..7904, 7684..7872, 7887..8030, 7891..7965, 8040..8162, 8166..8267, 8369..8578, 8370..8549, 8561..8686, 8564..8689, 8577..8693, 36936..37064, 36941..37054, 37053..37157, 37088..37123, 37209..37289, 37211..37267, 37371..37472, 37476..37757, 37767..37970, 37775..37966		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o1.tc	Method	TBLASTX:Cress
Start	7672	End	37969
GI	none	Score	222
Exons	7672..7968, 7674..8021, 8037..8165, 8038..8094, 8157..8267, 8188..8274, 8360..8458, 8361..8459, 8501..8563, 8502..8558, 8576..8722, 8600..8698, 36936..37175, 36941..37141, 37134..37277, 37178..37315, 37370..37435, 37371..37475, 37473..37766, 37520..37573, 37694..37768, 37776..37964, 37781..37969		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4

Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o1.tm	Method	TBLASTX:Maize
Start	7681	End	37964
GI	none	Score	66
Exons	7681..7818, 7686..7820, 7824..8015, 7825..7965, 7830..8012, 8010..8267, 8037..8267, 8358..8435, 8360..8434, 8468..8572, 8510..8578, 8579..8686, 36942..37187, 36944..37186, 37200..37277, 37201..37275, 37205..37294, 37206..37277, 37370..37432, 37371..37769, 37520..37573, 37694..37765, 37767..37820, 37775..37825, 37824..37964, 37830..37964		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o4.tw	Method	TBLASTX:Wheat
Start	7749	End	37901
GI	none	Score	67
Exons	7749..7817, 7762..7818, 7824..7907, 8007..8150, 8037..8165, 8163..8267, 8163..8261, 8369..8440, 8370..8435, 8505..8558, 8510..8575, 36939..37049, 37077..37124, 37211..37270, 37212..37289, 37341..37403, 37377..37475, 37488..37724, 37776..37823, 37824..37901, 37832..37891, 37833..37901		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o3.tw	Method	TBLASTX:Wheat
Start	17968	End	18576
GI	none	Score	75
Exons	17968..18099, 17969..18094, 18124..18576, 18320..18427, 18473..18562		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o5.tm	Method	TBLASTX:Maize
Start	18004	End	18252
GI	none	Score	152
Exons	18004..18087, 18088..18252		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o5.tw	Method	TBLASTX:Wheat
Start	18598	End	18952
GI	none	Score	173
Exons	18598..18951, 18608..18850, 18706..18948, 18896..18952		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o3.tm	Method	TBLASTX:Maize
Start	18778	End	19071
GI	none	Score	183
Exons	18778..19071, 18779..19066		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o7.tw	Method	TBLASTX:Wheat
Start	19829	End	20074
GI	none	Score	100
Exons	19829..20074, 19847..20074		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o2.ts	Method	TBLASTX:Soybean
Start	20084	End	20483
GI	none	Score	104
Exons	20084..20482, 20325..20483		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o2.tw	Method	TBLASTX:Wheat
Start	20139	End	21357
GI	none	Score	277
Exons	20139..20516, 20141..20563, 20344..20523, 21259..21357		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o4.tm	Method	TBLASTX:Maize
Start	20237	End	20620
GI	none	Score	147
Exons	20237..20620, 20238..20516, 20491..20586		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o2.tm	Method	TBLASTX:Maize
Start	20648	End	21004
GI	none	Score	232
Exons	20648..21004, 20649..20942, 20684..20950		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o1.tw	Method	TBLASTX:Wheat
Start	20678	End	21133
GI	none	Score	375
Exons	20678..21133, 20679..21125, 20696..21133		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o3.ts	Method	TBLASTX:Soybean
Start	20729	End	21094
GI	none	Score	108
Exons	20729..20863, 20870..21094		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4

Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o6.tw	Method	TBLASTX:Wheat
Start	21359	End	21781
GI	none	Score	148
Exons	21359..21562, 21375..21560, 21599..21781, 21672..21773		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o9.tw	Method	TBLASTX:Wheat
Start	22412	End	22810
GI	none	Score	74
Exons	22412..22687, 22413..22640, 22646..22759, 22698..22748, 22760..22810		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o6.np	Method	AAT/NAP
Start	41251	End	47846
GI	6016874	Score	117
Exons	41251..41281, 43301..43484, 43932..44037, 47764..47846		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o11.gs	Method	GENSCAN
Start	41349	End	48357
GI	none	Score	.44
Exons	41349..41726, 41827..41970, 42106..43176, 43367..43519, 43886..43974, 44629..44766, 45244..45288, 46301..46394, 47367..47630, 47684..47827, 47926..48357		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o5.np	Method	AAT/NAP
Start	41352	End	43062
GI	6505722	Score	497
Exons	41352..41726, 41830..41978, 42108..42734, 42798..43062		
GI Descrip.	(AB032123) ribosomal RNA apurinic site specific lyase [Triticum aestivum] gi|6513849|dbj|BAA87876.1| (AB032124) ribosomal RNA apurinic site specific lyase [Triticum aestivum]		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o8.tw	Method	TBLASTX:Wheat
Start	41609	End	48010
GI	none	Score	37
Exons	41609..41725, 41621..41728, 41821..41994, 41827..41967, 41849..41968, 42144..42191, 47478..47588, 47479..47535, 47554..47589, 47686..47820, 47687..47821, 47687..47821,		

47924..48010

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o6.gp	Method	AAT/GAP
Start	42741	End	43194
GI	none	Score	888
Exons	42741..43194		

Seq. No.	30977	Seq. ID	OJ990709_13.9A21.C4
Gene No.	64125	Strand	-
Start	41349	End	48384
Name	OJ990709_13.9A21.C4.o7.np	Method	AAT/NAP
Start	47220	End	48384
GI	6505722	Score	320
Exons	47220..47585, 47684..47822, 47915..48384		
GI Descrip.	(AB032123) ribosomal RNA apurinic site specific lyase [Triticum aestivum] gi|6513849|dbj|BAA87876.1| (AB032124) ribosomal RNA apurinic site specific lyase [Triticum aestivum]		

Seq. No.	30978	Seq. ID	OJ990709_13.9A21.C5
Gene No.	64126	Strand	-
Start	42	End	269
Name	OJ990709_13.9A21.C5.o1.gs	Method	GENSCAN
Start	42	End	269
GI	none	Score	.94
Exons	42..269		

Seq. No.	30978	Seq. ID	OJ990709_13.9A21.C5
Gene No.	64127	Strand	-
Start	3055	End	4879
Name	OJ990709_13.9A21.C5.o2.gs	Method	GENSCAN
Start	3055	End	4879
GI	none	Score	.59
Exons	3055..3468, 3863..4879		

Seq. No.	30978	Seq. ID	OJ990709_13.9A21.C5
Gene No.	64128	Strand	-
Start	7791	End	11093
Name	OJ990709_13.9A21.C5.o4.tw	Method	TBLASTX:Wheat
Start	3595	End	3949
GI	none	Score	145
Exons	3595..3747, 3603..3743, 3604..3750, 3860..3949		

Seq. No.	30978	Seq. ID	OJ990709_13.9A21.C5
Gene No.	64128	Strand	-
Start	7791	End	11093
Name	OJ990709_13.9A21.C5.o3.gs	Method	GENSCAN
Start	7791	End	9665
GI	none	Score	.41
Exons	7791..7967, 8492..8680, 9273..9665		

Seq. No.	30978	Seq. ID	OJ990709_13.9A21.C5
Gene No.	64128	Strand	-
Start	7791	End	11093
Name	OJ990709_13.9A21.C5.o1.gp	Method	AAT/GAP

Start	8520	End	8847
GI	25792_1.R1084	Score	582
Exons	8520..8847		
GI Descrip.	'4512233/dbj|AB014743.1|AB014743 0.0e+00 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		

Seq. No.	30978	Seq. ID	OJ990709_13.9A21.C5
Gene No.	64128	Strand	-
Start	7791	End	11093
Name	OJ990709_13.9A21.C5.o2.gp	Method	AAT/GAP
Start	9022	End	9407
GI	2312718	Score	720
Exons	9022..9407		
GI Descrip.	4512233/dbj|AB014743.1|AB014743 1.0e-176 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence		

Seq. No.	30978	Seq. ID	OJ990709_13.9A21.C5
Gene No.	64128	Strand	-
Start	7791	End	11093
Name	OJ990709_13.9A21.C5.o1.np	Method	AAT/NAP
Start	9366	End	11093
GI	6705984	Score	2874
Exons	9366..11093		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	30978	Seq. ID	OJ990709_13.9A21.C5
Gene No.	64128	Strand	-
Start	7791	End	11093
Name	OJ990709_13.9A21.C5.o2.tm	Method	TBLASTX:Maize
Start	9390	End	9636
GI	none	Score	199
Exons	9390..9635, 9390..9635, 9391..9636		

Seq. No.	30978	Seq. ID	OJ990709_13.9A21.C5
Gene No.	64128	Strand	-
Start	7791	End	11093
Name	OJ990709_13.9A21.C5.o2.tw	Method	TBLASTX:Wheat
Start	9555	End	9953
GI	none	Score	307
Exons	9555..9953, 9561..9929, 9562..9951		

Seq. No.	30978	Seq. ID	OJ990709_13.9A21.C5
Gene No.	64128	Strand	-
Start	7791	End	11093
Name	OJ990709_13.9A21.C5.o4.tm	Method	TBLASTX:Maize
Start	9792	End	10085
GI	none	Score	217
Exons	9792..10085		

Seq. No.	30978	Seq. ID	OJ990709_13.9A21.C5
Gene No.	64128	Strand	-
Start	7791	End	11093
Name	OJ990709_13.9A21.C5.o3.tw	Method	TBLASTX:Wheat
Start	9984	End	10343
GI	none	Score	196
Exons	9984..10343, 9990..10301, 9994..10338		

Seq. No.	30978	Seq. ID	OJ990709_13.9A21.C5
Gene No.	64128	Strand	-
Start	7791	End	11093
Name	OJ990709_13.9A21.C5.o2.ts	Method	TBLASTX:Soybean
Start	10020	End	10295
GI	none	Score	53
Exons	10020..10175, 10020..10202, 10215..10289, 10230..10295		

Seq. No.	30978	Seq. ID	OJ990709_13.9A21.C5
Gene No.	64128	Strand	-
Start	7791	End	11093
Name	OJ990709_13.9A21.C5.o1.tm	Method	TBLASTX:Maize
Start	10088	End	10437
GI	none	Score	247
Exons	10088..10252, 10092..10430, 10092..10436, 10093..10437		

Seq. No.	30978	Seq. ID	OJ990709_13.9A21.C5
Gene No.	64128	Strand	-
Start	7791	End	11093
Name	OJ990709_13.9A21.C5.o1.tc	Method	TBLASTX:Cress
Start	10155	End	10524
GI	none	Score	141
Exons	10155..10448, 10155..10517, 10156..10524		

Seq. No.	30978	Seq. ID	OJ990709_13.9A21.C5
Gene No.	64128	Strand	-
Start	7791	End	11093
Name	OJ990709_13.9A21.C5.o1.tw	Method	TBLASTX:Wheat
Start	10470	End	10896
GI	none	Score	376
Exons	10470..10895, 10470..10895, 10471..10896, 10471..10896		

Seq. No.	30978	Seq. ID	OJ990709_13.9A21.C5
Gene No.	64128	Strand	-
Start	7791	End	11093
Name	OJ990709_13.9A21.C5.o1.ts	Method	TBLASTX:Soybean
Start	10612	End	10904
GI	none	Score	63
Exons	10612..10701, 10617..10703, 10686..10883, 10699..10884, 10707..10904		

Seq. No.	30978	Seq. ID	OJ990709_13.9A21.C5
Gene No.	64128	Strand	-
Start	7791	End	11093
Name	OJ990709_13.9A21.C5.o3.tm	Method	TBLASTX:Maize
Start	10656	End	11009
GI	none	Score	61
Exons	10656..11009, 10669..10758		

Seq. No.	30979	Seq. ID	OJ990709_13.9A21.C6
Gene No.	64129	Strand	-
Start	1	End	2085
Name	OJ990709_13.9A21.C6.o1.np	Method	AAT/NAP
Start	1	End	2085
GI	6705984	Score	3412
Exons	1..2085		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	30979	Seq. ID	OJ990709_13.9A21.C6
Gene No.	64129	Strand	-
Start	1	End	2085
Name	OJ990709_13.9A21.C6.o2.tw	Method	TBLASTX:Wheat
Start	9	End	467
GI	none	Score	190
Exons	9..467, 13..372		

Seq. No.	30979	Seq. ID	OJ990709_13.9A21.C6
Gene No.	64129	Strand	-
Start	1	End	2085
Name	OJ990709_13.9A21.C6.o1.tc	Method	TBLASTX:Cress
Start	18	End	314
GI	none	Score	183
Exons	18..314		

Seq. No.	30979	Seq. ID	OJ990709_13.9A21.C6
Gene No.	64129	Strand	-
Start	1	End	2085
Name	OJ990709_13.9A21.C6.o1.gs	Method	GENSCAN
Start	85	End	1726
GI	none	Score	.62
Exons	85..313, 353..536, 1109..1726		

Seq. No.	30979	Seq. ID	OJ990709_13.9A21.C6
Gene No.	64129	Strand	-
Start	1	End	2085
Name	OJ990709_13.9A21.C6.o1.tm	Method	TBLASTX:Maize
Start	90	End	572
GI	none	Score	61
Exons	90..512, 507..572		

Seq. No.	30979	Seq. ID	OJ990709_13.9A21.C6
Gene No.	64129	Strand	-
Start	1	End	2085
Name	OJ990709_13.9A21.C6.o2.tm	Method	TBLASTX:Maize
Start	769	End	1033
GI	none	Score	106
Exons	769..855, 836..1024, 842..1033, 849..1028		

Seq. No.	30979	Seq. ID	OJ990709_13.9A21.C6
Gene No.	64129	Strand	-
Start	1	End	2085
Name	OJ990709_13.9A21.C6.o1.tw	Method	TBLASTX:Wheat
Start	787	End	1270
GI	none	Score	123
Exons	787..858, 849..971, 852..971, 854..982, 862..972, 987..1196, 989..1270, 1002..1268		

Seq. No.	30979	Seq. ID	OJ990709_13.9A21.C6
Gene No.	64129	Strand	-
Start	1	End	2085
Name	OJ990709_13.9A21.C6.o1.ts	Method	TBLASTX:Soybean
Start	851	End	1219
GI	none	Score	67
Exons	851..958, 950..1219, 954..1187		

Seq. No.	30979	Seq. ID	OJ990709_13.9A21.C6
Gene No.	64129	Strand	-
Start	1	End	2085
Name	OJ990709_13.9A21.C6.o3.tw	Method	TBLASTX:Wheat
Start	1650	End	2084
GI	none	Score	60
Exons	1650..1754, 1655..1807, 1719..2009, 1722..2000, 1723..2028, 1849..2013, 2037..2084, 2037..2084		

Seq. No.	30980	Seq. ID	OJ990709_13.9A21.C7
Gene No.	64130	Strand	+
Start	6755	End	7739
Name	OJ990709_13.9A21.C7.o2.gs	Method	GENSCAN
Start	6755	End	7739
GI	none	Score	.69
Exons	6755..6835, 7144..7430, 7485..7533, 7539..7739		

Seq. No.	30980	Seq. ID	OJ990709_13.9A21.C7
Gene No.	64131	Strand	+
Start	12668	End	13009
Name	OJ990709_13.9A21.C7.o3.gs	Method	GENSCAN
Start	12668	End	13009
GI	none	Score	.95
Exons	12668..13009		

Seq. No.	30980	Seq. ID	OJ990709_13.9A21.C7
Gene No.	64132	Strand	-
Start	1	End	4666
Name	OJ990709_13.9A21.C7.o1.np	Method	AAT/NAP
Start	1	End	409
GI	6705984	Score	590
Exons	1..409		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	30980	Seq. ID	OJ990709_13.9A21.C7
Gene No.	64132	Strand	-
Start	1	End	4666
Name	OJ990709_13.9A21.C7.o1.gs	Method	GENSCAN
Start	50	End	4666
GI	none	Score	.52
Exons	50..402, 1511..1774, 2286..2678, 3071..3173, 3258..3420, 4519..4608, 4644..4666		

Seq. No.	30980	Seq. ID	OJ990709_13.9A21.C7
Gene No.	64132	Strand	-
Start	1	End	4666
Name	OJ990709_13.9A21.C7.o1.gp	Method	AAT/GAP
Start	1422	End	1846
GI	25792_1.R1084	Score	725
Exons	1422..1846		
GI Descrip.	'4512233/dbj|AB014743.1|AB014743 0.0e+00 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		

Seq. No.	30980	Seq. ID	OJ990709_13.9A21.C7
Gene No.	64133	Strand	-
Start	15073	End	18467

Name	OJ990709_13.9A21.C7.o4.gs	Method	GENSCAN
Start	15073	End	18467
GI	none	Score	.69
Exons	15073..15134, 15751..16089, 16222..16298, 17404..17426, 17556..17582, 18019..18181, 18403..18467		

Seq. No.	30980	Seq. ID	OJ990709_13.9A21.C7
Gene No.	64134	Strand	-
Start	20498	End	21029
Name	OJ990709_13.9A21.C7.o1.ts	Method	TBLASTX:Soybean
Start	1891	End	2406
GI	none	Score	126
Exons	1891..2055, 2122..2406		

Seq. No.	30980	Seq. ID	OJ990709_13.9A21.C7
Gene No.	64134	Strand	-
Start	20498	End	21029
Name	OJ990709_13.9A21.C7.o1.tm	Method	TBLASTX:Maize
Start	2137	End	2740
GI	none	Score	64
Exons	2137..2721, 2138..2287, 2347..2481, 2354..2740		

Seq. No.	30980	Seq. ID	OJ990709_13.9A21.C7
Gene No.	64134	Strand	-
Start	20498	End	21029
Name	OJ990709_13.9A21.C7.o2.tw	Method	TBLASTX:Wheat
Start	2266	End	2676
GI	none	Score	50
Exons	2266..2346, 2338..2487, 2354..2473, 2500..2676, 2507..2644		

Seq. No.	30980	Seq. ID	OJ990709_13.9A21.C7
Gene No.	64134	Strand	-
Start	20498	End	21029
Name	OJ990709_13.9A21.C7.o1.tw	Method	TBLASTX:Wheat
Start	14248	End	14616
GI	none	Score	137
Exons	14248..14439, 14257..14616, 14491..14616		

Seq. No.	30980	Seq. ID	OJ990709_13.9A21.C7
Gene No.	64134	Strand	-
Start	20498	End	21029
Name	OJ990709_13.9A21.C7.o5.gs	Method	GENSCAN
Start	20498	End	21029
GI	none	Score	.57
Exons	20498..20728, 20967..21029		

Seq. No.	30981	Seq. ID	OJ990709_13.9A21.C8
Gene No.	64135	Strand	-
Start	1084	End	1147
Name	OJ990709_13.9A21.C8.o1.gp	Method	AAT/GAP
Start	1084	End	1147
GI	uC-osflcyp158c04a1	Score	77
Exons	1084..1147		
GI Descrip.	'4581164/gb|AAD24647.1|AC006220_3 2.0e-17 (AC006220) putative polyprotein [Arabidopsis thaliana]'		

Seq. No.	30982	Seq. ID	OJ990709_13.9A21.C9

Gene No.	64136	Strand	-
Start	2075	End	12764
Name	OJ990709_13.9A21.C9.o1.ts	Method	TBLASTX:Soybean
Start	2073	End	11276
GI	none	Score	98
Exons	2073..2177, 2096..2179, 2343..2594, 2346..2591, 2350..2592, 3243..3323, 3257..3322, 3419..3727, 3421..3567, 3423..3731, 3423..3731, 3977..4198, 3977..4198, 3978..4199, 3994..4200, 4530..4832, 4582..4812, 4922..5026, 4927..5091, 4927..5094, 4931..5092, 5409..5534, 5421..5618, 5425..5538, 5631..5807, 5631..5807, 5632..5808, 5916..6038, 5916..6032, 5935..6042, 7619..7825, 11127..11276		

Seq. No.	30982	Seq. ID	OJ990709_13.9A21.C9
Gene No.	64136	Strand	-
Start	2075	End	12764
Name	OJ990709_13.9A21.C9.o2.gs	Method	GENSCAN
Start	2075	End	12700
GI	none	Score	.82
Exons	2075..2175, 2351..2590, 3250..3313, 3419..3724, 3983..4149, 4526..4820, 4927..5091, 5766..6047, 6840..6926, 7622..7942, 8381..8554, 11136..12281, 12290..12700		

Seq. No.	30982	Seq. ID	OJ990709_13.9A21.C9
Gene No.	64136	Strand	-
Start	2075	End	12764
Name	OJ990709_13.9A21.C9.o1.np	Method	AAT/NAP
Start	2078	End	12764
GI	2959767	Score	3528
Exons	2078..2175, 2351..2590, 3250..3313, 3419..3724, 3983..4197, 4526..4820, 4927..5091, 5421..6047, 6840..6926, 7622..7942, 11136..11279, 11370..12764		
GI Descrip.	(AJ002584) AtMRP4 [Arabidopsis thaliana] gi|3738292|gb|AAC63634.1| (AC005309) glutathione-conjugate transporter AtMRP4 [Arabidopsis thaliana]		

Seq. No.	30982	Seq. ID	OJ990709_13.9A21.C9
Gene No.	64136	Strand	-
Start	2075	End	12764
Name	OJ990709_13.9A21.C9.o1.tc	Method	TBLASTX:Cress
Start	2346	End	12547
GI	none	Score	134
Exons	2346..2591, 2347..2592, 3254..3322, 3258..3323, 3408..3710, 3417..3665, 3422..3748, 3452..3727, 3977..4189, 4533..4829, 4576..4824, 4933..5094, 5418..5615, 5419..5538, 5724..5801, 5934..6056, 5935..6048, 6837..6935, 7608..7940, 7620..7952, 7622..7951, 11125..11253, 11127..11270, 11133..11258, 11370..11408, 11454..11864, 11940..12158, 12266..12451, 12512..12547		

Seq. No.	30982	Seq. ID	OJ990709_13.9A21.C9
Gene No.	64136	Strand	-
Start	2075	End	12764
Name	OJ990709_13.9A21.C9.o2.tm	Method	TBLASTX:Maize
Start	2367	End	11261
GI	none	Score	172
Exons	2367..2594, 2368..2592, 3243..3323, 3254..3322, 3403..3630,		

3414..3722, 3415..3702, 3419..3745, 3426..3746, 3977..4051, 7619..7831, 11127..11261

Seq. No.	30982	Seq. ID	OJ990709_13.9A21.C9
Gene No.	64136	Strand	-
Start	2075	End	12764
Name	OJ990709_13.9A21.C9.o1.tw	Method	TBLASTX:Wheat
Start	2415	End	7831
GI	none	Score	75
Exons	2415..2561, 2415..2591, 2416..2592, 3254..3334, 3408..3575, 3422..3571, 7622..7831, 7641..7793		

Seq. No.	30982	Seq. ID	OJ990709_13.9A21.C9
Gene No.	64136	Strand	-
Start	2075	End	12764
Name	OJ990709_13.9A21.C9.o1.tm	Method	TBLASTX:Maize
Start	4100	End	5538
GI	none	Score	174
Exons	4100..4198, 4527..4802, 4530..4832, 4567..4815, 4927..5094, 4931..5092, 5421..5528, 5425..5538		

Seq. No.	30982	Seq. ID	OJ990709_13.9A21.C9
Gene No.	64136	Strand	-
Start	2075	End	12764
Name	OJ990709_13.9A21.C9.o2.ts	Method	TBLASTX:Soybean
Start	11370	End	11678
GI	none	Score	75
Exons	11370..11426, 11433..11678, 11500..11661		

Seq. No.	30982	Seq. ID	OJ990709_13.9A21.C9
Gene No.	64136	Strand	-
Start	2075	End	12764
Name	OJ990709_13.9A21.C9.o3.tm	Method	TBLASTX:Maize
Start	11721	End	12134
GI	none	Score	133
Exons	11721..11864, 11940..12134		

Seq. No.	30983	Seq. ID	OJ990709_13.9A21.C10
Gene No.	64137	Strand	-
Start	145	End	740
Name	OJ990709_13.9A21.C10.o1.np	Method	AAT/NAP
Start	145	End	740
GI	1076205	Score	86
Exons	145..740		
GI Descrip.	hypothetical protein WP6 - Chlamydomonas eugametos gi|530878 (L29028) amino acid feature: N-glycosylation sites, aa 41 .. 43, 46 .. 48, 51 .. 53, 72 .. 74, 107 .. 109, 128 .. 130, 132 .. 134, 158 .. 160, 163 .. 165; amino acid feature: Rod protein domain, aa 169 .. 340; amino acid feature: globular pro...		

Seq. No.	30984	Seq. ID	OJ990709_13.9A21.C11
Gene No.	64138	Strand	+
Start	1091	End	2937
Name	OJ990709_13.9A21.C11.o1.np	Method	AAT/NAP
Start	1091	End	2937
GI	5852093	Score	56
Exons	1091..1197, 2778..2937		

GI Descrip. (AL117264) zwh16.1 [Oryza sativa]

Seq. No.	30984	Seq. ID	OJ990709_13.9A21.C11
Gene No.	64138	Strand	+
Start	1091	End	2937
Name	OJ990709_13.9A21.C11.o1.gs	Method	GENSCAN
Start	1406	End	2905
GI	none	Score	.92
Exons	1406..1416, 2695..2905		

Seq. No.	30984	Seq. ID	OJ990709_13.9A21.C11
Gene No.	64139	Strand	-
Start	1	End	3129
Name	OJ990709_13.9A21.C11.o2.np	Method	AAT/NAP
Start	1	End	3129
GI	5852093	Score	55
Exons	1..50, 1631..1749, 3111..3129		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	30984	Seq. ID	OJ990709_13.9A21.C11
Gene No.	64140	Strand	-
Start	3163	End	7941
Name	OJ990709_13.9A21.C11.o3.np	Method	AAT/NAP
Start	3163	End	7941
GI	2959767	Score	2333
Exons	3163..3260, 3426..3664, 3754..3817, 3918..4223, 4319..4533, 5071..5365, 5495..5659, 5746..6381, 6692..6778, 7621..7941		
GI Descrip.	(AJ002584) AtMRP4 [Arabidopsis thaliana] gi|3738292|gb|AAC63634.1| (AC005309) glutathione-conjugate transporter AtMRP4 [Arabidopsis thaliana]		

Seq. No.	30984	Seq. ID	OJ990709_13.9A21.C11
Gene No.	64140	Strand	-
Start	3163	End	7941
Name	OJ990709_13.9A21.C11.o1.ts	Method	TBLASTX:Soybean
Start	3166	End	6213
GI	none	Score	62
Exons	3166..3261, 3172..3264, 3173..3262, 3441..3650, 3441..3665, 3442..3666, 3761..3820, 3762..3815, 3900..4103, 3902..4039, 3918..4226, 3922..4230, 3922..4227, 4306..4485, 4308..4535, 4313..4534, 5075..5371, 5079..5354, 5490..5609, 5495..5662, 5691..5735, 5730..5855, 5736..5852, 5741..5896, 5746..5946, 5750..5866, 5956..6150, 5957..6130, 6169..6213		

Seq. No.	30984	Seq. ID	OJ990709_13.9A21.C11
Gene No.	64140	Strand	-
Start	3163	End	7941
Name	OJ990709_13.9A21.C11.o2.gs	Method	GENSCAN
Start	3438	End	7941
GI	none	Score	.74
Exons	3438..3664, 3754..3817, 3918..4223, 4319..4452, 5071..5365, 5495..5659, 5746..6381, 6692..6778, 7621..7805, 7838..7941		

Seq. No.	30984	Seq. ID	OJ990709_13.9A21.C11
Gene No.	64140	Strand	-
Start	3163	End	7941
Name	OJ990709_13.9A21.C11.o1.tc	Method	TBLASTX:Cress

Start	3441	End	7941
GI	none	Score	113
Exons	3441..3665, 3442..3714, 3758..3820, 3918..4103, 3918..4226, 3931..4230, 4313..4546, 5129..5371, 5145..5177, 5235..5360, 5495..5662, 5746..5934, 5750..5851, 5959..6126, 5960..6097, 6211..6381, 7621..7941		

Seq. No.	30984	Seq. ID	OJ990709_13.9A21.C11
Gene No.	64140	Strand	-
Start	3163	End	7941
Name	OJ990709_13.9A21.C11.o1.tm	Method	TBLASTX:Maize
Start	3441	End	4384
GI	none	Score	145
Exons	3441..3650, 3441..3665, 3442..3666, 3758..3820, 3759..3824, 3916..4044, 3918..4103, 3918..4220, 3919..4221, 4313..4384		

Seq. No.	30984	Seq. ID	OJ990709_13.9A21.C11
Gene No.	64140	Strand	-
Start	3163	End	7941
Name	OJ990709_13.9A21.C11.o1.tw	Method	TBLASTX:Wheat
Start	3489	End	7830
GI	none	Score	86
Exons	3489..3665, 3490..3687, 3756..3869, 3758..3820, 3918..4070, 7591..7830		

Seq. No.	30984	Seq. ID	OJ990709_13.9A21.C11
Gene No.	64140	Strand	-
Start	3163	End	7941
Name	OJ990709_13.9A21.C11.o1.gp	Method	AAT/GAP
Start	3741	End	4463
GI	uC-osf1cyp002f02b1	Score	964
Exons	3741..3817, 3918..4223, 4319..4463		
GI Descrip.	'2959767/emb|CAA05625| 2.0e-71 (AJ002584) AtMRP4 [Arabidopsis thaliana] >gi_3738292 (AC005309) glutathione-conjugate transporter AtMRP4 [Arabidopsis thaliana]'		

Seq. No.	30984	Seq. ID	OJ990709_13.9A21.C11
Gene No.	64140	Strand	-
Start	3163	End	7941
Name	OJ990709_13.9A21.C11.o2.tm	Method	TBLASTX:Maize
Start	4436	End	5863
GI	none	Score	71
Exons	4436..4534, 4440..4535, 5075..5371, 5082..5351, 5487..5660, 5495..5662, 5496..5660, 5746..5856, 5750..5863		

Seq. No.	30984	Seq. ID	OJ990709_13.9A21.C11
Gene No.	64140	Strand	-
Start	3163	End	7941
Name	OJ990709_13.9A21.C11.o2.gp	Method	AAT/GAP
Start	5123	End	5523
GI	3106494	Score	304
Exons	5123..5365, 5495..5523		

Seq. No.	30984	Seq. ID	OJ990709_13.9A21.C11
Gene No.	64140	Strand	-
Start	3163	End	7941
Name	OJ990709_13.9A21.C11.o2.ts	Method	TBLASTX:Soybean

Start	6283	End	7935
GI	none	Score	228
Exons	6283..6381, 6689..6781, 7618..7932, 7619..7933, 7621..7935		

Seq. No.	30984	Seq. ID	OJ990709_13.9A21.C11
Gene No.	64140	Strand	-
Start	3163	End	7941
Name	OJ990709_13.9A21.C11.o3.tm	Method	TBLASTX:Maize
Start	7608	End	7872
GI	none	Score	86
Exons	7608..7739, 7615..7872, 7621..7872		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64141	Strand	+
Start	4094	End	5042
Name	OJ990709_13.9A21.C12.o2.np	Method	AAT/NAP
Start	4094	End	5042
GI	6069646	Score	1069
Exons	4094..5042		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64142	Strand	-
Start	369	End	2473
Name	OJ990709_13.9A21.C12.o1.np	Method	AAT/NAP
Start	369	End	2473
GI	2959767	Score	1023
Exons	369..518, 582..2473		
GI Descrip.	(AJ002584) AtMRP4 [Arabidopsis thaliana] gi|3738292|gb|AAC63634.1| (AC005309) glutathione-conjugate transporter AtMRP4 [Arabidopsis thaliana]		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64142	Strand	-
Start	369	End	2473
Name	OJ990709_13.9A21.C12.o1.gs	Method	GENSCAN
Start	375	End	2471
GI	none	Score	.97
Exons	375..1184, 1217..2363, 2422..2471		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64143	Strand	-
Start	4328	End	6995
Name	OJ990709_13.9A21.C12.o2.gs	Method	GENSCAN
Start	4328	End	6995
GI	none	Score	.69
Exons	4328..4478, 4856..4907, 6263..6394, 6430..6649, 6906..6995		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o1.tc	Method	TBLASTX:Cress
Start	366	End	1783

GI	none	Score	82
Exons	366..497, 366..500, 370..456, 582..617, 654..1082, 1182..1277, 1280..1450, 1472..1585, 1595..1696, 1712..1783		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o2.ts	Method	TBLASTX:Soybean
Start	372	End	884
GI	none	Score	86
Exons	372..485, 373..459, 529..867, 582..884		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o7.ts	Method	TBLASTX:Soybean
Start	1367	End	1738
GI	none	Score	49
Exons	1367..1459, 1454..1618, 1616..1696, 1709..1738		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o7.tm	Method	TBLASTX:Maize
Start	1469	End	1766
GI	none	Score	82
Exons	1469..1597, 1473..1598, 1475..1600, 1613..1696, 1617..1697, 1709..1765, 1713..1766		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o6.tm	Method	TBLASTX:Maize
Start	4482	End	4786
GI	none	Score	242
Exons	4482..4772, 4505..4786		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o3.np	Method	AAT/NAP
Start	7682	End	11500
GI	6630696	Score	6264
Exons	7682..11500		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o2.tw	Method	TBLASTX:Wheat
Start	7818	End	8294
GI	none	Score	146
Exons	7818..7943, 7818..7931, 7820..7939, 7932..8198, 7932..8204, 7936..8211, 7939..8205, 8220..8294, 8221..8289, 8234..8293		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o5.ts	Method	TBLASTX:Soybean
Start	7947	End	8288
GI	none	Score	86
Exons	7947..8156, 8026..8151, 8175..8288, 8185..8253		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o3.tm	Method	TBLASTX:Maize
Start	8150	End	8522
GI	none	Score	95
Exons	8150..8398, 8151..8522, 8152..8499		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o4.ts	Method	TBLASTX:Soybean
Start	8310	End	8649
GI	none	Score	68
Exons	8310..8489, 8317..8490, 8485..8649, 8490..8648		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o3.tw	Method	TBLASTX:Wheat
Start	8502	End	9047
GI	none	Score	85
Exons	8502..8708, 8703..9047, 8755..9030		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o2.tm	Method	TBLASTX:Maize
Start	8583	End	9047
GI	none	Score	85
Exons	8583..9047, 8698..8892, 8975..9034		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o1.ts	Method	TBLASTX:Soybean
Start	8718	End	9176
GI	5509260	Score	46
Exons	8718..9176, 8863..8895, 8956..9087		
GI Descrip.	-		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o2.tc	Method	TBLASTX:Cress
Start	8829	End	9092
GI	none	Score	103
Exons	8829..9092, 8917..9087		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o1.tw	Method	TBLASTX:Wheat
Start	9102	End	9852
GI	none	Score	143
Exons	9102..9260, 9106..9267, 9107..9277, 9258..9584, 9259..9852, 9260..9832		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o3.ts	Method	TBLASTX:Soybean
Start	9481	End	9907
GI	none	Score	86
Exons	9481..9681, 9685..9831, 9689..9823, 9830..9907		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o5.tm	Method	TBLASTX:Maize
Start	9694	End	10159
GI	none	Score	177
Exons	9694..9840, 9830..10159		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o5.tw	Method	TBLASTX:Wheat
Start	9853	End	10052
GI	none	Score	131
Exons	9853..10044, 9853..10044, 9854..10051, 9855..10052		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o6.ts	Method	TBLASTX:Soybean
Start	9917	End	10297
GI	none	Score	88
Exons	9917..10165, 10148..10297		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o1.tm	Method	TBLASTX:Maize
Start	10245	End	10654
GI	none	Score	46
Exons	10245..10310, 10247..10339, 10274..10339, 10338..10634, 10343..10630, 10343..10654, 10347..10631		

Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o1.gp	Method	AAT/GAP
Start	10556	End	11458
GI	101595_1.R1084	Score	1393
Exons	10556..10630, 10746..11458		

GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		
Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o4.tm	Method	TBLASTX:Maize
Start	11153	End	11458
GI	none	Score	137
Exons	11153..11344, 11153..11458, 11215..11358, 11229..11411		
Seq. No.	30985	Seq. ID	OJ990709_13.9A21.C12
Gene No.	64144	Strand	-
Start	7682	End	11606
Name	OJ990709_13.9A21.C12.o4.tw	Method	TBLASTX:Wheat
Start	11209	End	11606
GI	none	Score	157
Exons	11209..11370, 11210..11494, 11229..11420, 11471..11605, 11508..11606		
Seq. No.	30986	Seq. ID	OJ990709_13.9A21.C15
Gene No.	64145	Strand	-
Start	50	End	233
Name	OJ990709_13.9A21.C15.o1.gs	Method	GENSCAN
Start	50	End	233
GI	none	Score	.42
Exons	50..126, 160..233		
Seq. No.	30987	Seq. ID	OJ990709_12.9A11.C1
Gene No.	64146	Strand	+
Start	1184	End	11158
Name	OJ990709_12.9A11.C1.o1.gs	Method	GENSCAN
Start	1184	End	11158
GI	none	Score	.61
Exons	1184..1250, 1401..1617, 1676..1768, 1879..2021, 3311..3336, 3408..3542, 6014..6166, 6847..7911, 7934..8083, 8151..8432, 11021..11158		
Seq. No.	30987	Seq. ID	OJ990709_12.9A11.C1
Gene No.	64146	Strand	+
Start	1184	End	11158
Name	OJ990709_12.9A11.C1.o2.gp	Method	AAT/GAP
Start	7126	End	7465
GI	6025145	Score	563
Exons	7126..7465		
GI Descrip.	4104056 5.0e-51 (AF031194) S276 [Triticum aestivum]		
Seq. No.	30987	Seq. ID	OJ990709_12.9A11.C1
Gene No.	64147	Strand	+
Start	11666	End	12084
Name	OJ990709_12.9A11.C1.o2.gs	Method	GENSCAN
Start	11666	End	12084
GI	none	Score	.78
Exons	11666..11828, 11891..12084		
Seq. No.	30987	Seq. ID	OJ990709_12.9A11.C1
Gene No.	64148	Strand	-

Start	6755	End	14559
Name	OJ990709_12.9A11.C1.o1.tm	Method	TBLASTX:Maize
Start	6613	End	7918
GI	none	Score	67
Exons	6613..6633, 6624..6707, 6625..6702, 6690..6722, 6760..6783, 6862..6900, 6902..6964, 6972..7250, 6978..7070, 6979..7653, 6980..7648, 7654..7917, 7655..7918		

Seq. No.	30987	Seq. ID	OJ990709_12.9A11.C1
Gene No.	64148	Strand	-
Start	6755	End	14559
Name	OJ990709_12.9A11.C1.o1.gp	Method	AAT/GAP
Start	6755	End	7212
GI	11988_1.R1084	Score	773
Exons	6755..7212		
GI Descrip.	'4104056 5.0e-51 (AF031194) S276 [Triticum aestivum]'		

Seq. No.	30987	Seq. ID	OJ990709_12.9A11.C1
Gene No.	64148	Strand	-
Start	6755	End	14559
Name	OJ990709_12.9A11.C1.o1.tc	Method	TBLASTX:Cress
Start	6982	End	8311
GI	none	Score	48
Exons	6982..7023, 6988..7023, 7037..7633, 7048..7653, 7087..7641, 7645..7686, 7657..7920, 7661..7795, 7847..7942, 8003..8092, 8135..8311		

Seq. No.	30987	Seq. ID	OJ990709_12.9A11.C1
Gene No.	64148	Strand	-
Start	6755	End	14559
Name	OJ990709_12.9A11.C1.o1.ts	Method	TBLASTX:Soybean
Start	6985	End	8333
GI	none	Score	57
Exons	6985..7038, 6985..7038, 7036..7647, 7037..7648, 7657..7920, 7670..7795, 8009..8092, 8096..8323, 8097..8333		

Seq. No.	30987	Seq. ID	OJ990709_12.9A11.C1
Gene No.	64148	Strand	-
Start	6755	End	14559
Name	OJ990709_12.9A11.C1.o1.np	Method	AAT/NAP
Start	6988	End	8389
GI	4104056	Score	1988
Exons	6988..8389		
GI Descrip.	(AF031194) S276 [Triticum aestivum]		

Seq. No.	30987	Seq. ID	OJ990709_12.9A11.C1
Gene No.	64148	Strand	-
Start	6755	End	14559
Name	OJ990709_12.9A11.C1.o2.np	Method	AAT/NAP
Start	7763	End	13886
GI	425682	Score	119
Exons	7763..7813, 8330..8498, 12505..12606, 13865..13886		
GI Descrip.	extensin=nodule-specific proline-rich protein {clone VfNDS-E} [Vicia faba=broadbeans, root nodules, Peptide Partial, 116 aa]		

Seq. No.	30987	Seq. ID	OJ990709_12.9A11.C1
Gene No.	64148	Strand	-

Start	6755	End	14559
Name	OJ990709_12.9A11.C1.o2.tm	Method	TBLASTX:Maize
Start	8153	End	8347
GI	none	Score	208
Exons	8153..8347, 8154..8315		

Seq. No.	30987	Seq. ID	OJ990709_12.9A11.C1
Gene No.	64148	Strand	-
Start	6755	End	14559
Name	OJ990709_12.9A11.C1.o3.gs	Method	GENSCAN
Start	12428	End	14559
GI	none	Score	.78
Exons	12428..12565, 14500..14559		

Seq. No.	30987	Seq. ID	OJ990709_12.9A11.C1
Gene No.	64148	Strand	-
Start	6755	End	14559
Name	OJ990709_12.9A11.C1.o3.gp	Method	AAT/GAP
Start	13855	End	14157
GI	89067_1.R1084	Score	554
Exons	13855..14157		
GI Descrip.	'2827713/emb|CAA16686| 6.0e-47 (AL021684) pyridoxal-phosphate-dependent aminotransferase - like protein [Arabidopsis thaliana]'		

Seq. No.	30988	Seq. ID	OJ990709_12.9A11.C2
Gene No.	64149	Strand	+
Start	4601	End	4909
Name	OJ990709_12.9A11.C2.o2.gp	Method	AAT/GAP
Start	4601	End	4909
GI	61605_3.R1084	Score	437
Exons	4601..4909		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	30988	Seq. ID	OJ990709_12.9A11.C2
Gene No.	64150	Strand	+
Start	4824	End	6747
Name	OJ990709_12.9A11.C2.o2.gs	Method	GENSCAN
Start	4824	End	6747
GI	none	Score	.84
Exons	4824..4861, 5419..5540, 6185..6364, 6380..6747		

Seq. No.	30988	Seq. ID	OJ990709_12.9A11.C2
Gene No.	64151	Strand	-
Start	1979	End	3355
Name	OJ990709_12.9A11.C2.o1.gp	Method	AAT/GAP
Start	1914	End	2311
GI	89067_1.R1084	Score	761
Exons	1914..2311		
GI Descrip.	'2827713/emb|CAA16686| 6.0e-47 (AL021684) pyridoxal-phosphate-dependent aminotransferase - like protein [Arabidopsis thaliana]'		

Seq. No.	30988	Seq. ID	OJ990709_12.9A11.C2
Gene No.	64151	Strand	-
Start	1979	End	3355

Name	OJ990709_12.9A11.C2.o1.gs	Method	GENSCAN
Start	1979	End	3355
GI	none	Score	1
Exons	1979..3355		

Seq. No.	30988	Seq. ID	OJ990709_12.9A11.C2
Gene No.	64151	Strand	-
Start	1979	End	3355
Name	OJ990709_12.9A11.C2.o1.np	Method	AAT/NAP
Start	1982	End	3349
GI	2827713	Score	1685
Exons	1982..3349		
GI Descrip.	(AL021684) pyridoxal-phosphate-dependent aminotransferase - like protein [Arabidopsis thaliana] gi|6686815|emb|CAB64727.1| (AJ243393) nifS-like protein [Arabidopsis thaliana]		

Seq. No.	30988	Seq. ID	OJ990709_12.9A11.C2
Gene No.	64152	Strand	-
Start	6700	End	15997
Name	OJ990709_12.9A11.C2.o1.tm	Method	TBLASTX:Maize
Start	1967	End	2936
GI	none	Score	702
Exons	1967..2731, 1967..2935, 2439..2936		

Seq. No.	30988	Seq. ID	OJ990709_12.9A11.C2
Gene No.	64152	Strand	-
Start	6700	End	15997
Name	OJ990709_12.9A11.C2.o1.tc	Method	TBLASTX:Cress
Start	1974	End	2412
GI	none	Score	271
Exons	1974..2324, 1974..2327, 1979..2410, 1979..2410, 2026..2412		

Seq. No.	30988	Seq. ID	OJ990709_12.9A11.C2
Gene No.	64152	Strand	-
Start	6700	End	15997
Name	OJ990709_12.9A11.C2.o2.ts	Method	TBLASTX:Soybean
Start	1977	End	2410
GI	none	Score	304
Exons	1977..2333, 1979..2410, 1979..2410		

Seq. No.	30988	Seq. ID	OJ990709_12.9A11.C2
Gene No.	64152	Strand	-
Start	6700	End	15997
Name	OJ990709_12.9A11.C2.o1.ts	Method	TBLASTX:Soybean
Start	2660	End	3215
GI	none	Score	566
Exons	2660..3208, 2661..3215		

Seq. No.	30988	Seq. ID	OJ990709_12.9A11.C2
Gene No.	64152	Strand	-
Start	6700	End	15997
Name	OJ990709_12.9A11.C2.o2.tm	Method	TBLASTX:Maize
Start	2945	End	3212
GI	none	Score	297
Exons	2945..3208, 2946..3212		

Seq. No.	30988	Seq. ID	OJ990709_12.9A11.C2

Gene No.	64152	Strand	-
Start	6700	End	15997
Name	OJ990709_12.9A11.C2.o2.tc	Method	TBLASTX:Cress
Start	3053	End	3215
GI	none	Score	45
Exons	3053..3208, 3063..3098, 3123..3215		

Seq. No.	30988	Seq. ID	OJ990709_12.9A11.C2
Gene No.	64152	Strand	-
Start	6700	End	15997
Name	OJ990709_12.9A11.C2.o2.np	Method	AAT/NAP
Start	6700	End	15973
GI	4680204	Score	913
Exons	6700..6737, 11366..11530, 11934..12069, 13126..13305, 13394..14450, 14542..15973		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	30988	Seq. ID	OJ990709_12.9A11.C2
Gene No.	64152	Strand	-
Start	6700	End	15997
Name	OJ990709_12.9A11.C2.o3.tm	Method	TBLASTX:Maize
Start	7764	End	8043
GI	none	Score	103
Exons	7764..8036, 7834..8043		

Seq. No.	30988	Seq. ID	OJ990709_12.9A11.C2
Gene No.	64152	Strand	-
Start	6700	End	15997
Name	OJ990709_12.9A11.C2.o2.tw	Method	TBLASTX:Wheat
Start	7983	End	8375
GI	none	Score	69
Exons	7983..8135, 7989..8123, 8235..8375		

Seq. No.	30988	Seq. ID	OJ990709_12.9A11.C2
Gene No.	64152	Strand	-
Start	6700	End	15997
Name	OJ990709_12.9A11.C2.o4.gp	Method	AAT/GAP
Start	10777	End	10876
GI	LIB3477-003-P1-K1-E9	Score	154
Exons	10777..10876		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	30988	Seq. ID	OJ990709_12.9A11.C2
Gene No.	64152	Strand	-
Start	6700	End	15997
Name	OJ990709_12.9A11.C2.o5.gs	Method	GENSCAN
Start	12612	End	15997
GI	none	Score	.6
Exons	12612..12753, 12758..12817, 13126..13299, 13550..14073, 14309..14413, 14542..14661, 14770..15342, 15470..15997		

Seq. No.	30988	Seq. ID	OJ990709_12.9A11.C2
Gene No.	64152	Strand	-
Start	6700	End	15997
Name	OJ990709_12.9A11.C2.o1.tw	Method	TBLASTX:Wheat

Start	14932	End	15333
GI	none	Score	81
Exons	14932..15102, 14933..15049, 15097..15333, 15139..15234		

Seq. No.	30989	Seq. ID	OJ990709_12.9A11.C3
Gene No.	64153	Strand	-
Start	1	End	4098
Name	OJ990709_12.9A11.C3.o1.gp	Method	AAT/GAP
Start	1	End	3497
GI	342_1.R1084	Score	5531
Exons	1..3497		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	30989	Seq. ID	OJ990709_12.9A11.C3
Gene No.	64153	Strand	-
Start	1	End	4098
Name	OJ990709_12.9A11.C3.o1.gs	Method	GENSCAN
Start	158	End	3501
GI	none	Score	.66
Exons	158..1213, 1586..1764, 1896..2182, 2237..2536, 3218..3501		

Seq. No.	30989	Seq. ID	OJ990709_12.9A11.C3
Gene No.	64153	Strand	-
Start	1	End	4098
Name	OJ990709_12.9A11.C3.o1.np	Method	AAT/NAP
Start	179	End	4098
GI	4680203	Score	3110
Exons	179..1168, 1445..1675, 1829..3494, 3995..4098		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	30989	Seq. ID	OJ990709_12.9A11.C3
Gene No.	64153	Strand	-
Start	1	End	4098
Name	OJ990709_12.9A11.C3.o1.tw	Method	TBLASTX:Wheat
Start	233	End	1567
GI	none	Score	42
Exons	233..325, 250..321, 314..394, 399..518, 401..517, 419..520, 423..521, 495..590, 527..586, 592..657, 593..637, 632..979, 664..987, 665..964, 994..1062, 1022..1561, 1023..1562, 1382..1567		

Seq. No.	30989	Seq. ID	OJ990709_12.9A11.C3
Gene No.	64153	Strand	-
Start	1	End	4098
Name	OJ990709_12.9A11.C3.o1.tc	Method	TBLASTX:Cress
Start	815	End	1278
GI	none	Score	105
Exons	815..964, 815..979, 819..968, 1022..1264, 1038..1274, 1044..1274, 1132..1278		

Seq. No.	30989	Seq. ID	OJ990709_12.9A11.C3
Gene No.	64153	Strand	-
Start	1	End	4098
Name	OJ990709_12.9A11.C3.o2.tm	Method	TBLASTX:Maize
Start	1205	End	1519
GI	none	Score	122

Exons	1205..1519, 1233..1508		
Seq. No.	30989	Seq. ID	OJ990709_12.9A11.C3
Gene No.	64153	Strand	-
Start	1	End	4098
Name	OJ990709_12.9A11.C3.o3.tw	Method	TBLASTX:Wheat
Start	1568	End	1972
GI	none	Score	72
Exons	1568..1648, 1569..1649, 1569..1652, 1574..1654, 1682..1867, 1682..1879, 1722..1877, 1861..1923, 1909..1971, 1919..1972, 1922..1972		
Seq. No.	30989	Seq. ID	OJ990709_12.9A11.C3
Gene No.	64153	Strand	-
Start	1	End	4098
Name	OJ990709_12.9A11.C3.o2.ts	Method	TBLASTX:Soybean
Start	2005	End	2247
GI	none	Score	183
Exons	2005..2247		
Seq. No.	30989	Seq. ID	OJ990709_12.9A11.C3
Gene No.	64153	Strand	-
Start	1	End	4098
Name	OJ990709_12.9A11.C3.o1.tm	Method	TBLASTX:Maize
Start	2077	End	2535
GI	none	Score	98
Exons	2077..2271, 2281..2535, 2281..2523		
Seq. No.	30989	Seq. ID	OJ990709_12.9A11.C3
Gene No.	64153	Strand	-
Start	1	End	4098
Name	OJ990709_12.9A11.C3.o2.tw	Method	TBLASTX:Wheat
Start	2111	End	2580
GI	none	Score	124
Exons	2111..2317, 2111..2320, 2113..2340, 2312..2413, 2318..2410, 2320..2415, 2320..2418, 2422..2526, 2426..2527, 2524..2580, 2528..2572		
Seq. No.	30989	Seq. ID	OJ990709_12.9A11.C3
Gene No.	64153	Strand	-
Start	1	End	4098
Name	OJ990709_12.9A11.C3.o2.tc	Method	TBLASTX:Cress
Start	2368	End	2716
GI	none	Score	70
Exons	2368..2709, 2387..2515, 2564..2716		
Seq. No.	30989	Seq. ID	OJ990709_12.9A11.C3
Gene No.	64153	Strand	-
Start	1	End	4098
Name	OJ990709_12.9A11.C3.o1.ts	Method	TBLASTX:Soybean
Start	2449	End	2878
GI	none	Score	100
Exons	2449..2745, 2467..2691, 2740..2802, 2795..2878, 2803..2877		
Seq. No.	30989	Seq. ID	OJ990709_12.9A11.C3
Gene No.	64153	Strand	-
Start	1	End	4098

Name	OJ990709_12.9A11.C3.o4.tw	Method	TBLASTX:Wheat
Start	2799	End	3186
GI	none	Score	183
Exons	2799..3041, 2807..3049, 2809..3060, 2810..3052, 3043..3186, 3057..3119		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64154	Strand	+
Start	27884	End	31299
Name	OJ990709_12.9A11.C4.o4.np	Method	AAT/NAP
Start	27884	End	31299
GI	6630696	Score	5341
Exons	27884..31299		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64154	Strand	+
Start	27884	End	31299
Name	OJ990709_12.9A11.C4.o1.gp	Method	AAT/GAP
Start	27926	End	28620
GI	101595_1.R1084	Score	1243
Exons	27926..28620		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64155	Strand	-
Start	2668	End	14664
Name	OJ990709_12.9A11.C4.o1.gs	Method	GENSCAN
Start	2668	End	14664
GI	none	Score	.56
Exons	2668..4001, 6339..6446, 7403..7838, 7995..8078, 8328..9360, 9487..9616, 9794..10285, 10691..10825, 11145..12003, 12613..12816, 13618..13672, 14061..14189, 14195..14664		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64155	Strand	-
Start	2668	End	14664
Name	OJ990709_12.9A11.C4.o1.np	Method	AAT/NAP
Start	2684	End	3352
GI	6862923	Score	258
Exons	2684..3352		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64155	Strand	-
Start	2668	End	14664
Name	OJ990709_12.9A11.C4.o2.np	Method	AAT/NAP
Start	7266	End	12044
GI	4206306	Score	1410
Exons	7266..8585, 8787..10768, 10965..11415, 11831..12044		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64156	Strand	-

Start	16550	End	19042
Name	OJ990709_12.9A11.C4.o2.gs	Method	GENSCAN
Start	16550	End	19042
GI	none	Score	.65
Exons	16550..16733, 18378..18552, 18554..18651, 19032..19042		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64157	Strand	-
Start	21452	End	30235
Name	OJ990709_12.9A11.C4.o2.ts	Method	TBLASTX:Soybean
Start	2803	End	22049
GI	none	Score	70
Exons	2803..3054, 3067..3297, 21554..21775, 21845..21925, 21953..22048, 21954..22049		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64157	Strand	-
Start	21452	End	30235
Name	OJ990709_12.9A11.C4.o3.tm	Method	TBLASTX:Maize
Start	2803	End	22048
GI	none	Score	105
Exons	2803..3054, 3055..3351, 21554..21775, 21845..21916, 21953..22048		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64157	Strand	-
Start	21452	End	30235
Name	OJ990709_12.9A11.C4.o4.ts	Method	TBLASTX:Soybean
Start	7260	End	7505
GI	none	Score	51
Exons	7260..7505, 7264..7299, 7375..7461		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64157	Strand	-
Start	21452	End	30235
Name	OJ990709_12.9A11.C4.o8.tm	Method	TBLASTX:Maize
Start	7773	End	29645
GI	none	Score	80
Exons	7773..7940, 29210..29344, 29355..29645, 29462..29638		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64157	Strand	-
Start	21452	End	30235
Name	OJ990709_12.9A11.C4.o1.tw	Method	TBLASTX:Wheat
Start	7776	End	30235
GI	none	Score	372
Exons	7776..7853, 29488..29760, 29489..29767, 29496..29759, 29500..29760, 29756..30235, 29762..30229		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64157	Strand	-
Start	21452	End	30235
Name	OJ990709_12.9A11.C4.o5.ts	Method	TBLASTX:Soybean
Start	7848	End	8243
GI	none	Score	80
Exons	7848..8243, 7948..8142, 7965..8210		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4

Gene No.	64157	Strand	-
Start	21452	End	30235
Name	OJ990709_12.9A11.C4.o9.tm	Method	TBLASTX:Maize
Start	8097	End	8450
GI	none	Score	210
Exons	8097..8450		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64157	Strand	-
Start	21452	End	30235
Name	OJ990709_12.9A11.C4.o7.tw	Method	TBLASTX:Wheat
Start	8901	End	9335
GI	none	Score	36
Exons	8901..9194, 8986..9087, 9118..9192, 9246..9335		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64157	Strand	-
Start	21452	End	30235
Name	OJ990709_12.9A11.C4.o1.ts	Method	TBLASTX:Soybean
Start	8964	End	9381
GI	none	Score	81
Exons	8964..9206, 8968..9081, 9121..9207, 9243..9380, 9243..9380, 9265..9381		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64157	Strand	-
Start	21452	End	30235
Name	OJ990709_12.9A11.C4.o6.ts	Method	TBLASTX:Soybean
Start	9532	End	10001
GI	none	Score	66
Exons	9532..9678, 9712..9966, 9720..10001, 9849..9971		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64157	Strand	-
Start	21452	End	30235
Name	OJ990709_12.9A11.C4.o8.tw	Method	TBLASTX:Wheat
Start	9622	End	9999
GI	none	Score	60
Exons	9622..9717, 9642..9719, 9687..9998, 9736..9999		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64157	Strand	-
Start	21452	End	30235
Name	OJ990709_12.9A11.C4.o1.tm	Method	TBLASTX:Maize
Start	9687	End	10148
GI	none	Score	412
Exons	9687..10148, 9688..10146		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64157	Strand	-
Start	21452	End	30235
Name	OJ990709_12.9A11.C4.o2.tw	Method	TBLASTX:Wheat
Start	10015	End	10424
GI	none	Score	423
Exons	10015..10407, 10015..10416, 10017..10424		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4

Gene No.	64157	Strand	-
Start	21452	End	30235
Name	OJ990709_12.9A11.C4.o5.tm	Method	TBLASTX:Maize
Start	10149	End	10364
GI	none	Score	208
Exons	10149..10364, 10150..10362		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64157	Strand	-
Start	21452	End	30235
Name	OJ990709_12.9A11.C4.o7.ts	Method	TBLASTX:Soybean
Start	11068	End	11430
GI	none	Score	208
Exons	11068..11430		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64157	Strand	-
Start	21452	End	30235
Name	OJ990709_12.9A11.C4.o10.tm	Method	TBLASTX:Maize
Start	12643	End	12918
GI	none	Score	50
Exons	12643..12768, 12653..12763, 12793..12918, 12794..12901		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64157	Strand	-
Start	21452	End	30235
Name	OJ990709_12.9A11.C4.o3.gs	Method	GENSCAN
Start	21452	End	22699
GI	none	Score	.58
Exons	21452..22699		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64157	Strand	-
Start	21452	End	30235
Name	OJ990709_12.9A11.C4.o3.tw	Method	TBLASTX:Wheat
Start	27776	End	28175
GI	none	Score	124
Exons	27776..27886, 27779..27913, 27953..28174, 27964..28155, 27993..28175		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64157	Strand	-
Start	21452	End	30235
Name	OJ990709_12.9A11.C4.o6.tm	Method	TBLASTX:Maize
Start	27950	End	28231
GI	none	Score	284
Exons	27950..28231, 27973..28155, 28020..28169, 28040..28231		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64157	Strand	-
Start	21452	End	30235
Name	OJ990709_12.9A11.C4.o2.tm	Method	TBLASTX:Maize
Start	28732	End	29094
GI	none	Score	196
Exons	28732..28764, 28755..28997, 28756..28998, 28756..28998, 28757..29035, 28999..29094, 29027..29092		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64157	Strand	-
Start	21452	End	30235
Name	OJ990709_12.9A11.C4.o6.tw	Method	TBLASTX:Wheat
Start	29287	End	29486
GI	none	Score	104
Exons	29287..29358, 29288..29359, 29358..29486, 29358..29486		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64157	Strand	-
Start	21452	End	30235
Name	OJ990709_12.9A11.C4.o9.ts	Method	TBLASTX:Soybean
Start	29433	End	29830
GI	none	Score	191
Exons	29433..29654, 29435..29650, 29768..29830		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64158	Strand	
Start	30155	End	31299
Name	OJ990709_12.9A11.C4.o3.ts	Method	TBLASTX:Soybean
Start	30155	End	30620
GI	5509260	Score	139
Exons	30155..30358, 30250..30354, 30339..30620, 30375..30506		
GI Descrip.	-		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64158	Strand	
Start	30155	End	31299
Name	OJ990709_12.9A11.C4.o1.tc	Method	TBLASTX:Cress
Start	30248	End	30509
GI	none	Score	143
Exons	30248..30358, 30250..30357, 30339..30509		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64158	Strand	
Start	30155	End	31299
Name	OJ990709_12.9A11.C4.o4.tw	Method	TBLASTX:Wheat
Start	30290	End	30835
GI	none	Score	62
Exons	30290..30358, 30363..30635, 30630..30767, 30764..30835		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64158	Strand	
Start	30155	End	31299
Name	OJ990709_12.9A11.C4.o7.tm	Method	TBLASTX:Maize
Start	30300	End	30755
GI	none	Score	45
Exons	30300..30347, 30303..30359, 30357..30755, 30426..30506, 30542..30640		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64158	Strand	
Start	30155	End	31299
Name	OJ990709_12.9A11.C4.o8.ts	Method	TBLASTX:Soybean
Start	30689	End	31039
GI	none	Score	81
Exons	30689..30781, 30690..30776, 30758..30847, 30848..31036,		

30857..31039

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64158	Strand	
Start	30155	End	31299
Name	OJ990709_12.9A11.C4.o4.tm	Method	TBLASTX:Maize
Start	30839	End	31187
GI	none	Score	310
Exons	30839..31186, 30853..31185, 30939..31187		

Seq. No.	30990	Seq. ID	OJ990709_12.9A11.C4
Gene No.	64158	Strand	
Start	30155	End	31299
Name	OJ990709_12.9A11.C4.o5.tw	Method	TBLASTX:Wheat
Start	31043	End	31299
GI	none	Score	105
Exons	31043..31117, 31044..31103, 31048..31116, 31126..31287, 31133..31294, 31139..31294, 31168..31299		

Seq. No.	30991	Seq. ID	OJ990709_12.9A11.C5
Gene No.	64159	Strand	+
Start	1	End	177
Name	OJ990709_12.9A11.C5.o1.np	Method	AAT/NAP
Start	1	End	177
GI	6630696	Score	237
Exons	1..177		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	30991	Seq. ID	OJ990709_12.9A11.C5
Gene No.	64160	Strand	+
Start	201	End	2388
Name	OJ990709_12.9A11.C5.o1.gs	Method	GENSCAN
Start	201	End	2388
GI	none	Score	.9
Exons	201..252, 1632..1664, 1970..2014, 2246..2388		

Seq. No.	30991	Seq. ID	OJ990709_12.9A11.C5
Gene No.	64161	Strand	-
Start	4641	End	5945
Name	OJ990709_12.9A11.C5.o2.gs	Method	GENSCAN
Start	4641	End	5945
GI	none	Score	.76
Exons	4641..5945		

Seq. No.	30991	Seq. ID	OJ990709_12.9A11.C5
Gene No.	64162	Strand	-
Start	6699	End	7570
Name	OJ990709_12.9A11.C5.o1.tw	Method	TBLASTX:Wheat
Start	320	End	648
GI	none	Score	35
Exons	320..349, 326..352, 357..458, 397..459, 459..536, 463..537, 523..636, 535..648		

Seq. No.	30991	Seq. ID	OJ990709_12.9A11.C5
Gene No.	64162	Strand	-

Start	6699	End	7570
Name	OJ990709_12.9A11.C5.o3.gs	Method	GENSCAN
Start	6699	End	7570
GI	none	Score	.89
Exons	6699..6816, 7503..7570		

Seq. No.	30992	Seq. ID	OJ990709_12.9A11.C6
Gene No.	64163	Strand	+
Start	24	End	559
Name	OJ990709_12.9A11.C6.o1.gs	Method	GENSCAN
Start	24	End	559
GI	none	Score	.71
Exons	24..82, 167..354, 393..559		

Seq. No.	30992	Seq. ID	OJ990709_12.9A11.C6
Gene No.	64164	Strand	+
Start	1188	End	2367
Name	OJ990709_12.9A11.C6.o2.gs	Method	GENSCAN
Start	1188	End	2367
GI	none	Score	.42
Exons	1188..1256, 1296..1395, 1430..1555, 2231..2367		

Seq. No.	30992	Seq. ID	OJ990709_12.9A11.C6
Gene No.	64165	Strand	+
Start	5781	End	15436
Name	OJ990709_12.9A11.C6.o1.gp	Method	AAT/GAP
Start	5781	End	8827
GI	none	Score	940
Exons	5781..5961, 6125..6253, 8515..8635, 8714..8827		

Seq. No.	30992	Seq. ID	OJ990709_12.9A11.C6
Gene No.	64165	Strand	+
Start	5781	End	15436
Name	OJ990709_12.9A11.C6.o4.gs	Method	GENSCAN
Start	8521	End	14481
GI	none	Score	.55
Exons	8521..8635, 8716..8963, 9093..9161, 9360..9452, 9737..10054, 10675..10866, 11788..12059, 12199..12251, 13022..13675, 13985..14199, 14353..14481		

Seq. No.	30992	Seq. ID	OJ990709_12.9A11.C6
Gene No.	64165	Strand	+
Start	5781	End	15436
Name	OJ990709_12.9A11.C6.o2.np	Method	AAT/NAP
Start	10675	End	11546
GI	4680186	Score	161
Exons	10675..10866, 11434..11546		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	30992	Seq. ID	OJ990709_12.9A11.C6
Gene No.	64165	Strand	+
Start	5781	End	15436
Name	OJ990709_12.9A11.C6.o3.np	Method	AAT/NAP
Start	12613	End	15436
GI	6069653	Score	211
Exons	12613..12783, 12857..13117, 13332..14102, 15355..15436		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	30992	Seq. ID	OJ990709_12.9A11.C6
Gene No.	64166	Strand	-
Start	4336	End	7497
Name	OJ990709_12.9A11.C6.o3.gs	Method	GENSCAN
Start	4336	End	7431
GI	none	Score	.75
Exons	4336..5124, 5200..5287, 5366..5561, 6156..6310, 6581..6749, 6823..6975, 7314..7431		

Seq. No.	30992	Seq. ID	OJ990709_12.9A11.C6
Gene No.	64166	Strand	-
Start	4336	End	7497
Name	OJ990709_12.9A11.C6.o1.np	Method	AAT/NAP
Start	5545	End	7497
GI	5911167	Score	1677
Exons	5545..6423, 6581..7497		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	30992	Seq. ID	OJ990709_12.9A11.C6
Gene No.	64167	Strand	-
Start	15227	End	15348
Name	OJ990709_12.9A11.C6.o1.tw	Method	TBLASTX:Wheat
Start	4711	End	6042
GI	none	Score	105
Exons	4711..4875, 4879..5136, 5638..6042, 5642..5944		

Seq. No.	30992	Seq. ID	OJ990709_12.9A11.C6
Gene No.	64167	Strand	-
Start	15227	End	15348
Name	OJ990709_12.9A11.C6.o2.tm	Method	TBLASTX:Maize
Start	5651	End	6129
GI	none	Score	190
Exons	5651..6100, 5653..6129		

Seq. No.	30992	Seq. ID	OJ990709_12.9A11.C6
Gene No.	64167	Strand	-
Start	15227	End	15348
Name	OJ990709_12.9A11.C6.o1.ts	Method	TBLASTX:Soybean
Start	5701	End	6105
GI	none	Score	155
Exons	5701..5943, 5702..5947, 5956..6105, 5974..6090		

Seq. No.	30992	Seq. ID	OJ990709_12.9A11.C6
Gene No.	64167	Strand	-
Start	15227	End	15348
Name	OJ990709_12.9A11.C6.o3.tm	Method	TBLASTX:Maize
Start	6175	End	6408
GI	none	Score	135
Exons	6175..6408, 6191..6406		

Seq. No.	30992	Seq. ID	OJ990709_12.9A11.C6
Gene No.	64167	Strand	-
Start	15227	End	15348
Name	OJ990709_12.9A11.C6.o3.ts	Method	TBLASTX:Soybean
Start	6647	End	6884
GI	none	Score	114

Exons	6647..6877, 6702..6884		
Seq. No.	30992	Seq. ID	OJ990709_12.9A11.C6
Gene No.	64167	Strand	-
Start	15227	End	15348
Name	OJ990709_12.9A11.C6.o1.tm	Method	TBLASTX:Maize
Start	6716	End	7165
GI	none	Score	253
Exons	6716..7159, 6717..7154, 6719..7165		
Seq. No.	30992	Seq. ID	OJ990709_12.9A11.C6
Gene No.	64167	Strand	-
Start	15227	End	15348
Name	OJ990709_12.9A11.C6.o2.tw	Method	TBLASTX:Wheat
Start	6914	End	7213
GI	none	Score	159
Exons	6914..7213, 6915..7208		
Seq. No.	30992	Seq. ID	OJ990709_12.9A11.C6
Gene No.	64167	Strand	-
Start	15227	End	15348
Name	OJ990709_12.9A11.C6.o1.tc	Method	TBLASTX:Cress
Start	7001	End	7333
GI	none	Score	66
Exons	7001..7333, 7005..7157, 7194..7331		
Seq. No.	30992	Seq. ID	OJ990709_12.9A11.C6
Gene No.	64167	Strand	-
Start	15227	End	15348
Name	OJ990709_12.9A11.C6.o2.ts	Method	TBLASTX:Soybean
Start	7082	End	7489
GI	none	Score	73
Exons	7082..7324, 7086..7247, 7385..7489		
Seq. No.	30992	Seq. ID	OJ990709_12.9A11.C6
Gene No.	64167	Strand	-
Start	15227	End	15348
Name	OJ990709_12.9A11.C6.o5.gs	Method	GENSCAN
Start	15227	End	15348
GI	none	Score	.99
Exons	15227..15348		
Seq. No.	30993	Seq. ID	OJ990709_12.9A11.C7
Gene No.	64168	Strand	-
Start	393	End	1785
Name	OJ990709_12.9A11.C7.o1.gs	Method	GENSCAN
Start	393	End	1785
GI	none	Score	.55
Exons	393..1025, 1147..1785		
Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64169	Strand	+
Start	253	End	936
Name	OJ990729_13.9A05.C1.o1.gp	Method	AAT/GAP
Start	253	End	936
GI	none	Score	1117
Exons	253..936		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64170	Strand	+
Start	16264	End	18193
Name	OJ990729_13.9A05.C1.o1.np	Method	AAT/NAP
Start	16264	End	18193
GI	4204281	Score	183
Exons	16264..16290, 17437..17849, 18063..18193		
GI Descrip.	(AC004146) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64171	Strand	+
Start	21172	End	25855
Name	OJ990729_13.9A05.C1.o5.gp	Method	AAT/GAP
Start	21172	End	25855
GI	1901_1.R1084	Score	2727
Exons	21172..21292, 22534..22695, 22898..22948, 23478..23542, 23767..23842, 23986..24163, 24554..24736, 24819..24932, 25010..25119, 25209..25287, 25418..25855		
GI Descrip.	'1488297 1.0e-110 (U63530) osRAD23 [Oryza sativa]'		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64171	Strand	+
Start	21172	End	25855
Name	OJ990729_13.9A05.C1.o2.np	Method	AAT/NAP
Start	21227	End	25543
GI	1488297	Score	1043
Exons	21227..21292, 22534..22695, 22895..22948, 23478..23542, 23765..23833, 23986..24163, 24554..24586, 24632..24736, 24819..24932, 25010..25119, 25206..25287, 25418..25543		
GI Descrip.	(U63530) osRAD23 [Oryza sativa]		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64171	Strand	+
Start	21172	End	25855
Name	OJ990729_13.9A05.C1.o5.gs	Method	GENSCAN
Start	22349	End	25555
GI	none	Score	.91
Exons	22349..22357, 22534..22695, 22898..22948, 23485..23542, 23767..23842, 23986..24163, 24554..24736, 24819..24932, 25010..25119, 25209..25287, 25418..25555		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64172	Strand	+
Start	33185	End	35295
Name	OJ990729_13.9A05.C1.o7.gs	Method	GENSCAN
Start	33185	End	35295
GI	none	Score	.53
Exons	33185..33236, 33272..33346, 33464..33745, 34429..34596, 34847..35295		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64172	Strand	+
Start	33185	End	35295
Name	OJ990729_13.9A05.C1.o3.np	Method	AAT/NAP
Start	33637	End	35022
GI	6539555	Score	1151

Exons	33637..34114, 34447..34646, 34713..35022		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		
Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64173	Strand	-
Start	609	End	7666
Name	OJ990729_13.9A05.C1.o1.gs	Method	GENSCAN
Start	609	End	7666
GI	none	Score	.91
Exons	609..1920, 2034..4648, 4742..5086, 5243..5337, 5603..5729, 5804..5975, 6274..6496, 7627..7666		
Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64173	Strand	-
Start	609	End	7666
Name	OJ990729_13.9A05.C1.o2.gp	Method	AAT/GAP
Start	794	End	1497
GI	none	Score	1288
Exons	794..1497		
Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64173	Strand	-
Start	609	End	7666
Name	OJ990729_13.9A05.C1.o3.gp	Method	AAT/GAP
Start	2929	End	3386
GI	none	Score	908
Exons	2929..3386		
Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64174	Strand	-
Start	18511	End	18962
Name	OJ990729_13.9A05.C1.o4.gp	Method	AAT/GAP
Start	18511	End	18962
GI	none	Score	896
Exons	18511..18962		
Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64175	Strand	-
Start	20171	End	20695
Name	OJ990729_13.9A05.C1.o3.gs	Method	GENSCAN
Start	20171	End	20695
GI	none	Score	.77
Exons	20171..20244, 20635..20695		
Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64176	Strand	-
Start	20924	End	21763
Name	OJ990729_13.9A05.C1.o4.gs	Method	GENSCAN
Start	20924	End	21763
GI	none	Score	.98
Exons	20924..21052, 21363..21635, 21746..21763		
Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64177	Strand	-
Start	26830	End	32366

Name	OJ990729_13.9A05.C1.o6.gs	Method	GENSCAN
Start	26830	End	32366
GI	none	Score	.61
Exons	26830..26885, 27056..27276, 27381..27466, 27698..27788, 27882..28190, 28271..28368, 29154..29407, 30409..30523, 31771..31817, 32108..32229, 32287..32366		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64177	Strand	-
Start	26830	End	32366
Name	OJ990729_13.9A05.C1.o6.gp	Method	AAT/GAP
Start	28095	End	29374
GI	none	Score	748
Exons	28095..28190, 28271..28368, 29154..29374		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o8.tm	Method	TBLASTX:Maize
Start	372	End	824
GI	none	Score	67
Exons	372..461, 396..461, 465..536, 466..531, 617..673, 628..822, 670..822, 675..824		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o2.tw	Method	TBLASTX:Wheat
Start	966	End	1302
GI	none	Score	113
Exons	966..1112, 969..1106, 970..1113, 973..1113, 977..1123, 1109..1216, 1113..1205, 1126..1206, 1214..1240, 1279..1302		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o6.tm	Method	TBLASTX:Maize
Start	1587	End	1893
GI	none	Score	240
Exons	1587..1808, 1602..1808, 1630..1824, 1630..1812, 1809..1892, 1810..1893		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o10.tm	Method	TBLASTX:Maize
Start	2152	End	2513
GI	none	Score	94
Exons	2152..2256, 2153..2332, 2156..2272, 2250..2375, 2264..2392, 2432..2488, 2433..2513		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o2.tm	Method	TBLASTX:Maize
Start	17316	End	17744
GI	none	Score	503

Exons	17316..17615, 17328..17744, 17426..17740		
Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o3.ts	Method	TBLASTX:Soybean
Start	17340	End	18184
GI	none	Score	53
Exons	17340..17393, 17437..17520, 17499..17861, 17651..17755, 18066..18182, 18071..18184		
Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o5.tm	Method	TBLASTX:Maize
Start	17745	End	18631
GI	none	Score	117
Exons	17745..17909, 17748..17861, 18071..18211, 18072..18215, 18291..18362, 18292..18366, 18293..18367, 18364..18399, 18365..18409, 18391..18453, 18392..18463, 18395..18466, 18538..18555, 18599..18631		
Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o5.tw	Method	TBLASTX:Wheat
Start	21211	End	22689
GI	none	Score	75
Exons	21211..21294, 21220..21294, 21221..21295, 22531..22689, 22531..22686, 22533..22688		
Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o6.ts	Method	TBLASTX:Soybean
Start	21218	End	22701
GI	none	Score	68
Exons	21218..21286, 22534..22701, 22539..22691		
Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o7.tm	Method	TBLASTX:Maize
Start	21226	End	24163
GI	none	Score	94
Exons	21226..21294, 21227..21295, 22531..22689, 22533..22688, 23973..24140, 23984..24163, 23986..24159		
Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o4.tc	Method	TBLASTX:Cress
Start	21227	End	22695
GI	none	Score	67
Exons	21227..21295, 22533..22679, 22533..22685, 22534..22695, 22534..22686		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o2.ts	Method	TBLASTX:Soybean
Start	23989	End	25525
GI	none	Score	271
Exons	23989..24168, 23990..24163, 23996..24190, 24001..24165, 24682..24732, 24686..24745, 24834..24932, 24835..24930, 24842..24937, 25004..25129, 25006..25122, 25007..25129, 25207..25269, 25210..25299, 25415..25525, 25420..25506		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o2.tc	Method	TBLASTX:Cress
Start	24041	End	25525
GI	none	Score	171
Exons	24041..24190, 24046..24159, 24062..24190, 24695..24745, 24700..24732, 24822..24932, 24824..24937, 25004..25135, 25006..25131, 25209..25310, 25210..25290, 25415..25525, 25417..25506		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o7.tw	Method	TBLASTX:Wheat
Start	24041	End	24745
GI	none	Score	189
Exons	24041..24163, 24043..24159, 24676..24741, 24686..24745		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o3.tm	Method	TBLASTX:Maize
Start	24697	End	25525
GI	none	Score	82
Exons	24697..24738, 24698..24745, 24821..24931, 24822..24932, 25004..25117, 25006..25125, 25231..25290, 25245..25286, 25406..25525, 25418..25492, 25420..25506, 25428..25517		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o3.tw	Method	TBLASTX:Wheat
Start	24829	End	25525
GI	none	Score	102
Exons	24829..24930, 24831..24932, 24842..24937, 25002..25088, 25004..25120, 25005..25079, 25006..25119, 25209..25310, 25210..25290, 25415..25525, 25417..25506		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o8.tw	Method	TBLASTX:Wheat
Start	34801	End	35079
GI	none	Score	188
Exons	34801..35079, 34879..35025		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o8.gs	Method	GENSCAN
Start	35963	End	48531
GI	none	Score	.71
Exons	35963..36216, 36843..36894, 37208..37324, 37777..37899, 38083..38161, 38250..38629, 39699..40030, 42017..42122, 42348..42419, 42528..42635, 42709..42783, 43091..43178, 44216..44447, 44471..44642, 45418..45433, 45523..45653, 46294..46350, 46432..46542, 46676..46729, 47116..47328, 48040..48158, 48265..48325, 48422..48531		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o7.gp	Method	AAT/GAP
Start	36708	End	39780
GI	358_1.R1084	Score	2281
Exons	36708..37114, 37208..37324, 37777..37899, 38083..38161, 38250..38661, 39699..39780		
GI Descrip.	'1519251 1.0e-142 (U65957) GF14-c protein [Oryza sativa]'		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o1.tm	Method	TBLASTX:Maize
Start	37046	End	38650
GI	none	Score	172
Exons	37046..37144, 37206..37337, 37208..37339, 37777..37899, 37778..37900, 38068..38163, 38082..38165, 38083..38163, 38247..38633, 38248..38643, 38249..38650		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o1.tc	Method	TBLASTX:Cress
Start	37058	End	38643
GI	none	Score	137
Exons	37058..37114, 37206..37337, 37211..37327, 37215..37328, 37777..37899, 37778..37900, 37790..37900, 38081..38164, 38082..38162, 38083..38163, 38247..38636, 38249..38638, 38250..38510, 38344..38643, 38431..38637		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o4.np	Method	AAT/NAP
Start	37058	End	38641
GI	1519251	Score	1170
Exons	37058..37114, 37208..37324, 37777..37899, 38083..38161, 38250..38641		
GI Descrip.	(U65957) GF14-c protein [Oryza sativa]		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-

Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o1.ts	Method	TBLASTX:Soybean
Start	37206	End	38666
GI	none	Score	140
Exons	37206..37337, 37208..37339, 37777..37899, 37778..37900, 38081..38164, 38082..38162, 38083..38163, 38247..38519, 38249..38638, 38250..38639, 38476..38658, 38544..38666		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o6.tw	Method	TBLASTX:Wheat
Start	37214	End	37921
GI	none	Score	135
Exons	37214..37327, 37215..37325, 37216..37326, 37218..37340, 37775..37873, 37776..37874, 37777..37908, 37777..37899, 37781..37921		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o1.tw	Method	TBLASTX:Wheat
Start	38247	End	38638
GI	none	Score	327
Exons	38247..38630, 38249..38638, 38251..38631, 38252..38632, 38256..38636		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o5.np	Method	AAT/NAP
Start	41838	End	42965
GI	2191138	Score	269
Exons	41838..41900, 42348..42419, 42528..42635, 42709..42965		
GI Descrip.	(AF007269) A_IG002N01.18 gene product [Arabidopsis thaliana]		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o5.ts	Method	TBLASTX:Soybean
Start	41838	End	42665
GI	none	Score	73
Exons	41838..41915, 42337..42420, 42348..42419, 42525..42638, 42532..42636, 42534..42665		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o3.tc	Method	TBLASTX:Cress
Start	42337	End	42668
GI	none	Score	67
Exons	42337..42420, 42348..42419, 42525..42668, 42532..42636		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o9.tm	Method	TBLASTX:Maize

Start	42337	End	42659
GI	none	Score	83
Exons	42337..42420, 42348..42419, 42525..42659, 42532..42636, 42540..42638		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o8.gp	Method	AAT/GAP
Start	42531	End	44532
GI	uC-osflcyp017g02b1	Score	722
Exons	42531..42635, 42709..42809, 44216..44368, 44471..44532		
GI Descrip.	'2191138 8.0e-09 (AF007269) A_IG002N01.18 gene product [Arabidopsis thaliana]'		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o9.gp	Method	AAT/GAP
Start	45329	End	46548
GI	uC-osflcyp029c03b1	Score	938
Exons	45329..45653, 46294..46350, 46432..46548		
GI Descrip.	'4557026/ref|NP_003913.1|pHERC1| 8.0e-18 guanine nucleotide exchange factor p532 >gi_1477565 (U50078) p532 [Homo sapiens]'		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o4.ts	Method	TBLASTX:Soybean
Start	45420	End	48323
GI	none	Score	68
Exons	45420..45533, 45499..45573, 46504..46590, 46670..46729, 46674..46730, 47112..47288, 47113..47292, 47113..47292, 47114..47299, 47115..47294, 47179..47265, 47251..47307, 47414..47479, 47417..47479, 48257..48322, 48258..48323		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o4.tm	Method	TBLASTX:Maize
Start	45456	End	48534
GI	none	Score	79
Exons	45456..45536, 45457..45540, 45486..45518, 45499..45540, 45567..45653, 45568..45639, 45573..45653, 45618..45653, 46295..46387, 46298..46354, 46300..46356, 46386..46553, 46429..46590, 46498..46578, 46670..46729, 46671..46730, 46674..46739, 47104..47316, 47113..47316, 47114..47317, 47137..47319, 47170..47265, 47179..47298, 47179..47262, 47207..47320, 47393..47479, 47394..47480, 47399..47419, 47414..47479, 47414..47479, 48031..48102, 48034..48159, 48038..48160, 48143..48178, 48257..48322, 48263..48328, 48264..48329, 48264..48329, 48265..48330, 48422..48463, 48455..48529, 48467..48529, 48469..48534, 48490..48531		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584

Name	OJ990729_13.9A05.C1.o6.np	Method	AAT/NAP
Start	45462	End	48584
GI	6957714	Score	761
Exons	45462..45653, 46432..46542, 46676..46729, 47116..47313, 48254..48325, 48422..48584		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30994	Seq. ID	OJ990729_13.9A05.C1
Gene No.	64178	Strand	-
Start	35963	End	48584
Name	OJ990729_13.9A05.C1.o4.tw	Method	TBLASTX:Wheat
Start	45471	End	48323
GI	none	Score	70
Exons	45471..45554, 45471..45533, 45475..45570, 45480..45518, 45499..45570, 45541..45612, 45548..45637, 45549..45653, 45573..45653, 45618..45653, 46293..46352, 46294..46356, 46295..46357, 46298..46354, 46300..46356, 46386..46547, 46429..46590, 46498..46578, 46670..46729, 46671..46730, 46674..46742, 47170..47265, 47414..47479, 47414..47479, 48257..48322, 48258..48323		

Seq. No.	30995	Seq. ID	OJ990729_13.9A05.C2
Gene No.	64179	Strand	+
Start	5	End	7753
Name	OJ990729_13.9A05.C2.o1.gs	Method	GENSCAN
Start	5	End	7753
GI	none	Score	.65
Exons	5..160, 1732..1814, 3413..3611, 3618..3794, 3882..3944, 3994..4120, 4918..5048, 5657..5759, 6217..6519, 7584..7753		

Seq. No.	30995	Seq. ID	OJ990729_13.9A05.C2
Gene No.	64180	Strand	+
Start	13698	End	13781
Name	OJ990729_13.9A05.C2.o2.np	Method	AAT/NAP
Start	13698	End	13781
GI	6630699	Score	78
Exons	13698..13781		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	30995	Seq. ID	OJ990729_13.9A05.C2
Gene No.	64181	Strand	+
Start	18607	End	18690
Name	OJ990729_13.9A05.C2.o4.np	Method	AAT/NAP
Start	18607	End	18690
GI	6630699	Score	85
Exons	18607..18690		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	30995	Seq. ID	OJ990729_13.9A05.C2
Gene No.	64182	Strand	+
Start	23535	End	23774
Name	OJ990729_13.9A05.C2.o3.gs	Method	GENSCAN
Start	23535	End	23774

GI	none	Score	.41
Exons	23535..23774		

Seq. No.	30995	Seq. ID	OJ990729_13.9A05.C2
Gene No.	64183	Strand	-
Start	1	End	319
Name	OJ990729_13.9A05.C2.o1.gp	Method	AAT/GAP
Start	1	End	319
GI	2312025	Score	397
Exons	1..34, 127..319		

Seq. No.	30995	Seq. ID	OJ990729_13.9A05.C2
Gene No.	64184	Strand	-
Start	2078	End	3503
Name	OJ990729_13.9A05.C2.o1.np	Method	AAT/NAP
Start	2078	End	3503
GI	5852084	Score	73
Exons	2078..2165, 3482..3503		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	30995	Seq. ID	OJ990729_13.9A05.C2
Gene No.	64185	Strand	-
Start	6373	End	6743
Name	OJ990729_13.9A05.C2.o2.gp	Method	AAT/GAP
Start	6373	End	6743
GI	uC-osf1M202085g09a1	Score	742
Exons	6373..6743		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	30995	Seq. ID	OJ990729_13.9A05.C2
Gene No.	64186	Strand	-
Start	13920	End	18552
Name	OJ990729_13.9A05.C2.o3.np	Method	AAT/NAP
Start	13920	End	18552
GI	5922620	Score	337
Exons	13920..14072, 14350..14406, 15322..15565, 15853..15961, 18391..18552		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30995	Seq. ID	OJ990729_13.9A05.C2
Gene No.	64187	Strand	-
Start	18829	End	20600
Name	OJ990729_13.9A05.C2.o5.np	Method	AAT/NAP
Start	18829	End	20600
GI	5922620	Score	137
Exons	18829..18963, 20576..20600		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	30995	Seq. ID	OJ990729_13.9A05.C2
Gene No.	64188	Strand	-
Start	22499	End	22557
Name	OJ990729_13.9A05.C2.o3.gp	Method	AAT/GAP
Start	22499	End	22557
GI	2312838	Score	73
Exons	22499..22557		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64189	Strand	+
Start	428	End	11409
Name	OJ990729_13.9A05.C3.o1.gs	Method	GENSCAN
Start	428	End	6349
GI	none	Score	.64
Exons	428..477, 1567..1632, 2167..2221, 2813..3529, 3616..3760, 3935..3982, 4058..4434, 5194..5219, 5589..5706, 5775..5856, 6186..6349		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64189	Strand	+
Start	428	End	11409
Name	OJ990729_13.9A05.C3.o1.gp	Method	AAT/GAP
Start	2123	End	2460
GI	4969157	Score	361
Exons	2123..2221, 2328..2460		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64189	Strand	+
Start	428	End	11409
Name	OJ990729_13.9A05.C3.o1.np	Method	AAT/NAP
Start	2365	End	5143
GI	5734720	Score	560
Exons	2365..2410, 2839..3524, 3608..3826, 3935..4332, 5060..5143		
GI Descrip.	(AC008075) Contains PF|01426 BAH (bromo-adjacent homology) domain. ESTs gb|N96349, gb|T42710, gb|H77084, gb|AA395147 and gb|AA605500 come from this gene. [Arabidopsis thaliana]		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64189	Strand	+
Start	428	End	11409
Name	OJ990729_13.9A05.C3.o2.gp	Method	AAT/GAP
Start	3088	End	4160
GI	4951_1.R1084	Score	1646
Exons	3088..3529, 3616..3826, 3935..4160		
GI Descrip.	'5734720/gb|AAD49985.1|AC008075_18 6.0e-45 (AC008075) Contains PF_01426 BAH (bromo-adjacent homology) domain. ESTs gb_N96349, gb_T42710, gb_H77084, gb_AA395147 and gb_AA605500 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64189	Strand	+
Start	428	End	11409
Name	OJ990729_13.9A05.C3.o2.np	Method	AAT/NAP
Start	4297	End	11409
GI	6503010	Score	705

Exons	4297..4382, 7503..7697, 8507..8769, 8856..9052, 9140..9375, 9450..9670, 9698..10155, 11377..11409		
GI Descrip.	(AF174427) formin-like protein AHF1 [Arabidopsis thaliana]		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o4.np	Method	AAT/NAP
Start	1	End	17081
GI	5080823	Score	96
Exons	1..36, 13555..13917, 14062..14315, 15301..15514, 17060..17081		
GI Descrip.	(AC007258) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o4.tm	Method	TBLASTX:Maize
Start	2330	End	3036
GI	none	Score	134
Exons	2330..2455, 2331..2456, 2352..2489, 2353..2460, 2801..3034, 2806..3036, 2811..3035, 2812..3036		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o3.ts	Method	TBLASTX:Soybean
Start	2961	End	4032
GI	none	Score	101
Exons	2961..3074, 2966..3196, 2968..3114, 2969..3214, 3380..3508, 3388..3513, 3610..3693, 3614..3697, 3615..3692, 3711..3827, 3726..3794, 3727..3864, 3922..4032		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o1.tm	Method	TBLASTX:Maize
Start	3083	End	4540
GI	none	Score	275
Exons	3083..3295, 3092..3289, 3094..3321, 3195..3326, 3373..3531, 3374..3529, 3382..3531, 3594..3827, 3610..3828, 3922..4056, 3932..4096, 3932..4078, 4124..4186, 4159..4236, 4184..4285, 4214..4291, 4221..4322, 4337..4435, 4338..4418, 4342..4425, 4417..4458, 4498..4536, 4516..4539, 4523..4540		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o4.tc	Method	TBLASTX:Cress
Start	3392	End	3782
GI	none	Score	141
Exons	3392..3529, 3400..3531, 3610..3693, 3705..3782, 3733..3780		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o3.gp	Method	AAT/GAP
Start	4354	End	4881

GI	3113_1.R1084	Score	1029
Exons	4354..4881		
GI Descrip.	'5881963/gb|AAD55139.1|AF066079_1 1.0e-12 (AF066079) dihydrolipoamide S-acetyltransferase [Arabidopsis thaliana]'		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o3.tm	Method	TBLASTX:Maize
Start	9165	End	9665
GI	none	Score	202
Exons	9165..9392, 9166..9381, 9452..9661, 9453..9665		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o3.tc	Method	TBLASTX:Cress
Start	9196	End	9676
GI	none	Score	117
Exons	9196..9381, 9448..9660, 9452..9661, 9453..9668, 9482..9676		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o4.ts	Method	TBLASTX:Soybean
Start	9452	End	9724
GI	none	Score	255
Exons	9452..9724, 9453..9701		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o5.ts	Method	TBLASTX:Soybean
Start	9827	End	10076
GI	none	Score	227
Exons	9827..9949, 9828..10076, 9924..10076		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o4.gp	Method	AAT/GAP
Start	10783	End	12473
GI	3768201	Score	700
Exons	10783..11128, 12427..12473		
GI Descrip.	5881963/gb|AAD55139.1|AF066079_1 1.0e-12 (AF066079) dihydrolipoamide S-acetyltransferase [Arabidopsis thaliana]		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o1.tw	Method	TBLASTX:Wheat
Start	10945	End	12798
GI	none	Score	162
Exons	10945..11124, 11009..11128, 11010..11129, 12415..12513, 12421..12513, 12605..12676, 12607..12693, 12608..12694, 12757..12798, 12762..12797		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o1.tc	Method	TBLASTX:Cress
Start	11007	End	13383
GI	none	Score	128
Exons	11007..11129, 11021..11128, 12421..12513, 12425..12514, 12425..12514, 12606..12653, 12607..12687, 12611..12679, 12760..12852, 12762..12854, 12927..13037, 12938..12985, 12984..13133, 12986..13132, 13237..13383, 13268..13360, 13279..13362		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o2.tm	Method	TBLASTX:Maize
Start	11015	End	13837
GI	none	Score	89
Exons	11015..11128, 11031..11129, 12421..12510, 12430..12501, 12573..12653, 12610..12687, 12611..12679, 12757..12852, 12760..12846, 12762..12854, 12765..12854, 12918..13130, 12922..13128, 12938..13132, 12941..13132, 13237..13407, 13268..13360, 13279..13407, 13484..13594, 13486..13608, 13714..13836, 13778..13837		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o1.ts	Method	TBLASTX:Soybean
Start	11024	End	13596
GI	none	Score	90
Exons	11024..11128, 11028..11129, 12421..12510, 12422..12511, 12610..12642, 12611..12643, 12643..12687, 12760..12840, 12762..12854, 12918..13130, 12938..13132, 12941..13135, 13237..13407, 13283..13363, 13483..13596, 13484..13594		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o3.np	Method	AAT/NAP
Start	11027	End	14160
GI	5881963	Score	1371
Exons	11027..11128, 12427..12510, 12607..12677, 12764..12851, 12941..13132, 13240..14160		
GI Descrip.	(AF066079) dihydrolipoamide S-acetyltransferase [Arabidopsis thaliana]		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o3.gs	Method	GENSCAN
Start	11465	End	14127
GI	none	Score	.9
Exons	11465..11481, 11803..11993, 12607..12634, 12764..12902, 12941..13132, 13240..14127		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3

Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o2.tc	Method	TBLASTX:Cress
Start	13708	End	13995
GI	none	Score	116
Exons	13708..13995, 13778..13987		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o2.ts	Method	TBLASTX:Soybean
Start	13750	End	13995
GI	none	Score	72
Exons	13750..13995, 13778..13840, 13837..13968, 13934..13987		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o5.tm	Method	TBLASTX:Maize
Start	13840	End	13995
GI	none	Score	153
Exons	13840..13974, 13840..13995		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o4.gs	Method	GENSCAN
Start	14685	End	15672
GI	none	Score	.53
Exons	14685..14814, 15003..15539, 15644..15672		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o5.gs	Method	GENSCAN
Start	16171	End	16999
GI	none	Score	.94
Exons	16171..16371, 16964..16999		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o5.gp	Method	AAT/GAP
Start	16197	End	16538
GI	25792_1.R1084	Score	645
Exons	16197..16538		
GI Descrip.	'4512233/dbj|AB014743.1|AB014743 0.0e+00 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		

Seq. No.	30996	Seq. ID	OJ990729_13.9A05.C3
Gene No.	64190	Strand	-
Start	1	End	17081
Name	OJ990729_13.9A05.C3.o6.gp	Method	AAT/GAP
Start	16713	End	17081
GI	2312718	Score	630
Exons	16713..17081		
GI Descrip.	4512233/dbj|AB014743.1|AB014743 1.0e-176 Oryza sativa copia-type		

retrotransposon RIRE7 DNA, partial sequence

Seq. No.	30997	Seq. ID	OJ990729_13.9A05.C4
Gene No.	64191	Strand	+
Start	8273	End	9197
Name	OJ990729_13.9A05.C4.o2.gs	Method	GENSCAN
Start	8273	End	8911
GI	none	Score	.76
Exons	8273..8681, 8757..8911		

Seq. No.	30997	Seq. ID	OJ990729_13.9A05.C4
Gene No.	64191	Strand	+
Start	8273	End	9197
Name	OJ990729_13.9A05.C4.o2.gp	Method	AAT/GAP
Start	8422	End	9197
GI	34533_1.R1084	Score	1313
Exons	8422..8681, 8757..9197		
GI Descrip.	'2245001/emb|CAB10421.1| 4.0e-43 (Z97341) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	30997	Seq. ID	OJ990729_13.9A05.C4
Gene No.	64191	Strand	+
Start	8273	End	9197
Name	OJ990729_13.9A05.C4.o2.np	Method	AAT/NAP
Start	8528	End	8920
GI	2245001	Score	393
Exons	8528..8681, 8757..8920		
GI Descrip.	(Z97341) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	30997	Seq. ID	OJ990729_13.9A05.C4
Gene No.	64192	Strand	+
Start	12839	End	14090
Name	OJ990729_13.9A05.C4.o3.gs	Method	GENSCAN
Start	12839	End	14090
GI	none	Score	.73
Exons	12839..12893, 13705..14090		

Seq. No.	30997	Seq. ID	OJ990729_13.9A05.C4
Gene No.	64192	Strand	+
Start	12839	End	14090
Name	OJ990729_13.9A05.C4.o3.np	Method	AAT/NAP
Start	13114	End	13197
GI	133404	Score	55
Exons	13114..13197		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE ALPHA CHAIN gi|66963|pir||RNRZA DNA-directed RNA polymerase (EC 2.7.7.6) alpha chain - rice chloroplast gi|12018|emb|CAA33979| (X15901) RNA polymerase alpha subunit [Oryza sativa] gi|226639|prf||1603356BN RNA polymerase alpha [Oryza sativa]		

Seq. No.	30997	Seq. ID	OJ990729_13.9A05.C4
Gene No.	64193	Strand	-
Start	859	End	7342
Name	OJ990729_13.9A05.C4.o1.gs	Method	GENSCAN
Start	859	End	7342
GI	none	Score	.61
Exons	859..971, 1418..1591, 1655..2096, 2247..2387, 2434..2541,		

2634..2895, 3000..3298, 3379..3497, 3531..3792, 3897..4066, 4090..4244, 4320..4393, 4889..5205, 5476..5643, 6175..6315, 7149..7275, 7340..7342

Seq. No.	30997	Seq. ID	OJ990729_13.9A05.C4
Gene No.	64193	Strand	-
Start	859	End	7342
Name	OJ990729_13.9A05.C4.o1.np	Method	AAT/NAP
Start	1641	End	7143
GI	5441880	Score	2653
Exons	1641..1855, 2148..2383, 2634..2895, 3000..3298, 3878..4211, 4320..4459, 5072..5398, 5657..5688, 6133..7143		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	30997	Seq. ID	OJ990729_13.9A05.C4
Gene No.	64193	Strand	-
Start	859	End	7342
Name	OJ990729_13.9A05.C4.o1.gp	Method	AAT/GAP
Start	1962	End	4205
GI	LIB3433-020-P1-K1-A6	Score	703
Exons	1962..2341, 4163..4205		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	30997	Seq. ID	OJ990729_13.9A05.C4
Gene No.	64194	Strand	-
Start	14852	End	16167
Name	OJ990729_13.9A05.C4.o3.tw	Method	TBLASTX:Wheat
Start	3971	End	4153
GI	none	Score	105
Exons	3971..4090, 3972..4091, 4089..4139, 4100..4153		

Seq. No.	30997	Seq. ID	OJ990729_13.9A05.C4
Gene No.	64194	Strand	-
Start	14852	End	16167
Name	OJ990729_13.9A05.C4.o1.tw	Method	TBLASTX:Wheat
Start	5906	End	6283
GI	none	Score	61
Exons	5906..6079, 5917..6057, 6012..6080, 6104..6280, 6129..6281, 6134..6283		

Seq. No.	30997	Seq. ID	OJ990729_13.9A05.C4
Gene No.	64194	Strand	-
Start	14852	End	16167
Name	OJ990729_13.9A05.C4.o2.tm	Method	TBLASTX:Maize
Start	6099	End	6577
GI	none	Score	216
Exons	6099..6572, 6110..6577		

Seq. No.	30997	Seq. ID	OJ990729_13.9A05.C4
Gene No.	64194	Strand	-
Start	14852	End	16167
Name	OJ990729_13.9A05.C4.o2.tw	Method	TBLASTX:Wheat
Start	8120	End	8821
GI	none	Score	246

Exons	8120..8176, 8516..8755, 8524..8685, 8779..8820, 8780..8821		
Seq. No.	30997	Seq. ID	OJ990729_13.9A05.C4
Gene No.	64194	Strand	-
Start	14852	End	16167
Name	OJ990729_13.9A05.C4.o1.tm	Method	TBLASTX:Maize
Start	8436	End	8944
GI	none	Score	38
Exons	8436..8459, 8437..8460, 8507..8683, 8524..8685, 8749..8907, 8753..8944		
Seq. No.	30997	Seq. ID	OJ990729_13.9A05.C4
Gene No.	64194	Strand	-
Start	14852	End	16167
Name	OJ990729_13.9A05.C4.o1.tc	Method	TBLASTX:Cress
Start	8519	End	8899
GI	none	Score	220
Exons	8519..8683, 8527..8685, 8749..8889, 8753..8899		
Seq. No.	30997	Seq. ID	OJ990729_13.9A05.C4
Gene No.	64194	Strand	-
Start	14852	End	16167
Name	OJ990729_13.9A05.C4.o1.ts	Method	TBLASTX:Soybean
Start	8522	End	8905
GI	none	Score	239
Exons	8522..8683, 8527..8685, 8749..8898, 8753..8905		
Seq. No.	30997	Seq. ID	OJ990729_13.9A05.C4
Gene No.	64194	Strand	-
Start	14852	End	16167
Name	OJ990729_13.9A05.C4.o4.gs	Method	GENSCAN
Start	14852	End	16167
GI	none	Score	.59
Exons	14852..14862, 14944..15031, 15140..15192, 15312..15336, 15787..15890, 16092..16167		
Seq. No.	30998	Seq. ID	OJ990729_13.9A05.C5
Gene No.	64195	Strand	+
Start	539	End	936
Name	OJ990729_13.9A05.C5.o1.gs	Method	GENSCAN
Start	539	End	936
GI	none	Score	.56
Exons	539..624, 909..936		
Seq. No.	30998	Seq. ID	OJ990729_13.9A05.C5
Gene No.	64196	Strand	+
Start	1740	End	2238
Name	OJ990729_13.9A05.C5.o1.gp	Method	AAT/GAP
Start	1740	End	2238
GI	55343_1.R1084	Score	451
Exons	1740..1996, 2172..2238		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-24 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		
Seq. No.	30999	Seq. ID	OJ990729_13.9A05.C6
Gene No.	64197	Strand	+
Start	225	End	660

Name	OJ990729_13.9A05.C6.o1.np	Method	AAT/NAP
Start	225	End	660
GI	6539570	Score	182
Exons	225..428, 596..660		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	30999	Seq. ID	OJ990729_13.9A05.C6
Gene No.	64198	Strand	-
Start	234	End	348
Name	OJ990729_13.9A05.C6.o1.gs	Method	GENSCAN
Start	234	End	348
GI	none	Score	.83
Exons	234..348		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64199	Strand	+
Start	4608	End	4678
Name	OJ990909_14.9A28.C1.o1.gp	Method	AAT/GAP
Start	4608	End	4678
GI	5867_1.R1084	Score	113
Exons	4608..4678		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64200	Strand	+
Start	7271	End	15341
Name	OJ990909_14.9A28.C1.o2.gs	Method	GENSCAN
Start	7271	End	15341
GI	none	Score	.41
Exons	7271..7470, 8178..8300, 8726..8909, 8922..8994, 9740..9880, 10563..10688, 11556..11747, 12381..12484, 12569..13067, 14439..14457, 15254..15341		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64200	Strand	+
Start	7271	End	15341
Name	OJ990909_14.9A28.C1.o2.np	Method	AAT/NAP
Start	11985	End	12861
GI	6715441	Score	270
Exons	11985..12336, 12655..12861		
GI Descrip.	(AF218052) protoporphyrinogen IX oxidase [Zea mays]		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64201	Strand	+
Start	18736	End	20221
Name	OJ990909_14.9A28.C1.o3.np	Method	AAT/NAP
Start	18736	End	20221
GI	2792238	Score	592
Exons	18736..20221		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64202	Strand	+
Start	36148	End	38422
Name	OJ990909_14.9A28.C1.o4.gp	Method	AAT/GAP
Start	36148	End	37674
GI	2310235	Score	302
Exons	36148..36185, 36598..36737, 37614..37674		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64202	Strand	+
Start	36148	End	38422
Name	OJ990909_14.9A28.C1.o7.gs	Method	GENSCAN
Start	36598	End	38371
GI	none	Score	.88
Exons	36598..37410, 37546..37856, 37917..38371		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64202	Strand	+
Start	36148	End	38422
Name	OJ990909_14.9A28.C1.o7.np	Method	AAT/NAP
Start	36598	End	38422
GI	4680203	Score	2050
Exons	36598..38268, 38371..38422		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64202	Strand	+
Start	36148	End	38422
Name	OJ990909_14.9A28.C1.o5.gp	Method	AAT/GAP
Start	36602	End	38422
GI	342_1.R1084	Score	3027
Exons	36602..38422		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64203	Strand	-
Start	1	End	3975
Name	OJ990909_14.9A28.C1.o1.np	Method	AAT/NAP
Start	1	End	3975
GI	4539009	Score	97
Exons	1..107, 390..443, 2848..2938, 3833..3975		
GI Descrip.	(AL049481) putative protein [Arabidopsis thaliana]		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64203	Strand	-
Start	1	End	3975
Name	OJ990909_14.9A28.C1.o1.gs	Method	GENSCAN
Start	52	End	3721
GI	none	Score	.78
Exons	52..107, 390..443, 1066..1169, 1399..1418, 2104..2177, 3445..3555, 3641..3721		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64204	Strand	-

Start	24013	End	24451
Name	OJ990909_14.9A28.C1.o2.gp	Method	AAT/GAP
Start	24013	End	24451
GI	none	Score	867
Exons	24013..24451		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64205	Strand	-
Start	27648	End	28631
Name	OJ990909_14.9A28.C1.o4.gs	Method	GENSCAN
Start	27648	End	28631
GI	none	Score	.61
Exons	27648..28631		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64206	Strand	-
Start	30610	End	35063
Name	OJ990909_14.9A28.C1.o3.ts	Method	TBLASTX:Soybean
Start	369	End	3297
GI	none	Score	115
Exons	369..443, 1063..1185, 1073..1180, 1391..1501, 1391..1519, 1392..1520, 2106..2183, 2107..2163, 2836..2946, 2849..2947, 3054..3134, 3055..3132, 3262..3297, 3263..3295		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64206	Strand	-
Start	30610	End	35063
Name	OJ990909_14.9A28.C1.o3.tm	Method	TBLASTX:Maize
Start	12662	End	12850
GI	none	Score	316
Exons	12662..12850, 12665..12838, 12667..12849		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64206	Strand	-
Start	30610	End	35063
Name	OJ990909_14.9A28.C1.o4.tc	Method	TBLASTX:Cress
Start	12665	End	12850
GI	none	Score	269
Exons	12665..12850, 12665..12838, 12667..12849		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64206	Strand	-
Start	30610	End	35063
Name	OJ990909_14.9A28.C1.o5.ts	Method	TBLASTX:Soybean
Start	12680	End	12850
GI	none	Score	229
Exons	12680..12850, 12680..12835, 12682..12849		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64206	Strand	-
Start	30610	End	35063
Name	OJ990909_14.9A28.C1.o4.tm	Method	TBLASTX:Maize
Start	19207	End	19598
GI	none	Score	292
Exons	19207..19587, 19227..19286, 19377..19598		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1

Gene No.	64206	Strand	-
Start	30610	End	35063
Name	OJ990909_14.9A28.C1.o4.ts	Method	TBLASTX:Soybean
Start	19207	End	19650
GI	none	Score	98
Exons	19207..19314, 19372..19509, 19528..19650		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64206	Strand	-
Start	30610	End	35063
Name	OJ990909_14.9A28.C1.o5.gs	Method	GENSCAN
Start	30610	End	33932
GI	none	Score	.97
Exons	30610..31422, 31476..32447, 33156..33180, 33703..33932		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64206	Strand	-
Start	30610	End	35063
Name	OJ990909_14.9A28.C1.o1.ts	Method	TBLASTX:Soybean
Start	30661	End	35021
GI	none	Score	117
Exons	30661..30903, 30683..30901, 30916..31020, 31102..31284, 31109..31273, 31288..31350, 31301..31351, 31348..31368, 31349..31369, 31377..31418, 31378..31419, 31411..31503, 31413..31505, 31578..32021, 31579..32022, 32019..32114, 32038..32112, 32259..32315, 32397..32486, 33774..33953, 34911..34985, 34968..35021		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64206	Strand	-
Start	30610	End	35063
Name	OJ990909_14.9A28.C1.o6.np	Method	AAT/NAP
Start	30664	End	35054
GI	4204315	Score	1557
Exons	30664..32317, 32363..32447, 33703..33790, 33828..33947, 34815..35054		
GI Descrip.	(AC003027) Unknown protein [Arabidopsis thaliana]		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64206	Strand	-
Start	30610	End	35063
Name	OJ990909_14.9A28.C1.o5.tm	Method	TBLASTX:Maize
Start	30679	End	30843
GI	none	Score	120
Exons	30679..30843, 30689..30787		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64206	Strand	-
Start	30610	End	35063
Name	OJ990909_14.9A28.C1.o2.tc	Method	TBLASTX:Cress
Start	30730	End	31278
GI	none	Score	69
Exons	30730..30894, 30731..30784, 30919..31020, 31102..31278		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64206	Strand	-
Start	30610	End	35063

Name	OJ990909_14.9A28.C1.o1.tm	Method	TBLASTX:Maize
Start	30847	End	31291
GI	none	Score	325
Exons	30847..31020, 30851..31291, 31093..31290		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64206	Strand	-
Start	30610	End	35063
Name	OJ990909_14.9A28.C1.o1.tc	Method	TBLASTX:Cress
Start	31617	End	31980
GI	none	Score	160
Exons	31617..31979, 31618..31851, 31885..31980		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64206	Strand	-
Start	30610	End	35063
Name	OJ990909_14.9A28.C1.o3.gp	Method	AAT/GAP
Start	31791	End	32447
GI	81806_1.R1084	Score	1014
Exons	31791..32447		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64206	Strand	-
Start	30610	End	35063
Name	OJ990909_14.9A28.C1.o6.gs	Method	GENSCAN
Start	34785	End	35063
GI	none	Score	.99
Exons	34785..35063		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64207	Strand	
Start	36949	End	37300
Name	OJ990909_14.9A28.C1.o2.tw	Method	TBLASTX:Wheat
Start	36949	End	37300
GI	none	Score	103
Exons	36949..37056, 37039..37290, 37047..37289, 37049..37300		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64208	Strand	
Start	37221	End	38094
Name	OJ990909_14.9A28.C1.o2.ts	Method	TBLASTX:Soybean
Start	37221	End	37650
GI	none	Score	102
Exons	37221..37304, 37222..37296, 37297..37359, 37354..37650, 37408..37632		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64208	Strand	
Start	37221	End	38094
Name	OJ990909_14.9A28.C1.o3.tc	Method	TBLASTX:Cress
Start	37383	End	37731
GI	none	Score	307
Exons	37383..37535, 37390..37731, 37575..37712		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1

Gene No.	64208	Strand	
Start	37221	End	38094
Name	OJ990909_14.9A28.C1.o1.tw	Method	TBLASTX:Wheat
Start	37519	End	37988
GI	none	Score	63
Exons	37519..37572, 37527..37571, 37573..37677, 37584..37673, 37681..37779, 37686..37778, 37759..37983, 37780..37983, 37782..37988		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64208	Strand	
Start	37221	End	38094
Name	OJ990909_14.9A28.C1.o2.tm	Method	TBLASTX:Maize
Start	37564	End	38022
GI	none	Score	247
Exons	37564..37818, 37576..37818, 37828..38022		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64208	Strand	
Start	37221	End	38094
Name	OJ990909_14.9A28.C1.o6.ts	Method	TBLASTX:Soybean
Start	37864	End	38094
GI	none	Score	210
Exons	37864..38094		

Seq. No.	31000	Seq. ID	OJ990909_14.9A28.C1
Gene No.	64209	Strand	
Start	38083	End	38418
Name	OJ990909_14.9A28.C1.o3.tw	Method	TBLASTX:Wheat
Start	38083	End	38418
GI	none	Score	106
Exons	38083..38205, 38085..38228, 38202..38381, 38203..38418, 38215..38382		

Seq. No.	31001	Seq. ID	OJ990909_14.9A28.C2
Gene No.	64210	Strand	+
Start	1	End	1552
Name	OJ990909_14.9A28.C2.o1.gp	Method	AAT/GAP
Start	1	End	1552
GI	342_1.R1084	Score	2428
Exons	1..1552		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	31001	Seq. ID	OJ990909_14.9A28.C2
Gene No.	64210	Strand	+
Start	1	End	1552
Name	OJ990909_14.9A28.C2.o1.gs	Method	GENSCAN
Start	94	End	897
GI	none	Score	.49
Exons	94..897		

Seq. No.	31001	Seq. ID	OJ990909_14.9A28.C2
Gene No.	64210	Strand	+
Start	1	End	1552
Name	OJ990909_14.9A28.C2.o1.np	Method	AAT/NAP
Start	151	End	1131

GI	4680203	Score	983
Exons	151..1131		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	31001	Seq. ID	OJ990909_14.9A28.C2
Gene No.	64211	Strand	-
Start	771	End	1188
Name	OJ990909_14.9A28.C2.o1.tw	Method	TBLASTX:Wheat
Start	1	End	1077
GI	none	Score	591
Exons	1..678, 1..249, 3..662, 673..717, 677..712, 720..815, 724..783, 762..902, 763..903, 831..911, 916..996, 985..1077, 1011..1076		

Seq. No.	31001	Seq. ID	OJ990909_14.9A28.C2
Gene No.	64211	Strand	-
Start	771	End	1188
Name	OJ990909_14.9A28.C2.o1.tc	Method	TBLASTX:Cress
Start	44	End	495
GI	none	Score	175
Exons	44..226, 48..485, 48..491, 52..495, 346..495		

Seq. No.	31001	Seq. ID	OJ990909_14.9A28.C2
Gene No.	64211	Strand	-
Start	771	End	1188
Name	OJ990909_14.9A28.C2.o3.gp	Method	AAT/GAP
Start	771	End	1188
GI	LIB3431-028-P1-N1-A10	Score	824
Exons	771..1188		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	31002	Seq. ID	OJ990909_14.9A28.C3
Gene No.	64212	Strand	+
Start	1	End	227
Name	OJ990909_14.9A28.C3.o1.np	Method	AAT/NAP
Start	1	End	176
GI	3845248	Score	82
Exons	1..176		
GI Descrip.	(AE001410) hypothetical protein [Plasmodium falciparum]		

Seq. No.	31002	Seq. ID	OJ990909_14.9A28.C3
Gene No.	64212	Strand	+
Start	1	End	227
Name	OJ990909_14.9A28.C3.o1.gs	Method	GENSCAN
Start	54	End	227
GI	none	Score	.71
Exons	54..227		

Seq. No.	31003	Seq. ID	OJ990909_14.9A28.C4
Gene No.	64213	Strand	-
Start	2735	End	2806
Name	OJ990909_14.9A28.C4.o1.gs	Method	GENSCAN
Start	2735	End	2806
GI	none	Score	.84
Exons	2735..2806		

Seq. No.	31004	Seq. ID	OJ990909_14.9A28.C5

Gene No.	64214	Strand	+
Start	654	End	749
Name	OJ990909_14.9A28.C5.o1.gs	Method	GENSCAN
Start	654	End	749
GI	none	Score	.57
Exons	654..749		

Seq. No.	31005	Seq. ID	OJ990909_14.9A28.C6
Gene No.	64215	Strand	+
Start	1	End	2010
Name	OJ990909_14.9A28.C6.o1.np	Method	AAT/NAP
Start	1	End	2010
GI	81286	Score	133
Exons	1..22, 1630..2010		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	31006	Seq. ID	OJ990909_14.9A28.C7
Gene No.	64216	Strand	+
Start	47	End	2029
Name	OJ990909_14.9A28.C7.o1.gs	Method	GENSCAN
Start	47	End	2029
GI	none	Score	.63
Exons	47..138, 183..519, 1396..1504, 1922..2029		

Seq. No.	31006	Seq. ID	OJ990909_14.9A28.C7
Gene No.	64217	Strand	-
Start	1222	End	9868
Name	OJ990909_14.9A28.C7.o1.np	Method	AAT/NAP
Start	1222	End	9868
GI	4680183	Score	194
Exons	1222..1311, 1917..1987, 7948..7997, 9783..9868		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	31006	Seq. ID	OJ990909_14.9A28.C7
Gene No.	64217	Strand	-
Start	1222	End	9868
Name	OJ990909_14.9A28.C7.o2.gs	Method	GENSCAN
Start	3778	End	9567
GI	none	Score	.7
Exons	3778..3999, 4071..4287, 6113..6166, 6258..6400, 6549..6833, 6905..7011, 7120..7293, 7376..7444, 7578..7618, 8181..8329, 8487..8729, 8859..8995, 9080..9301, 9401..9567		

Seq. No.	31006	Seq. ID	OJ990909_14.9A28.C7
Gene No.	64217	Strand	-
Start	1222	End	9868
Name	OJ990909_14.9A28.C7.o2.np	Method	AAT/NAP
Start	4942	End	9075
GI	5803253	Score	181
Exons	4942..4999, 6281..6400, 6549..6833, 6905..7011, 7120..7215, 7339..7561, 8558..8729, 8859..9075		
GI Descrip.	(AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to a region of the predicted gene; similar to serine protease (AF097709) [Oryza sativa]		

Seq. No.	31007	Seq. ID	OJ990909_14.9A28.C8

Gene No.	64218	Strand	-
Start	720	End	5963
Name	OJ990909_14.9A28.C8.o1.gs	Method	GENSCAN
Start	720	End	5911
GI	none	Score	.71
Exons	720..905, 985..1083, 1397..1445, 1542..1715, 1825..2494, 2523..2657, 2783..2924, 2999..4420, 5412..5480, 5849..5911		

Seq. No.	31007	Seq. ID	OJ990909_14.9A28.C8
Gene No.	64218	Strand	-
Start	720	End	5963
Name	OJ990909_14.9A28.C8.o1.np	Method	AAT/NAP
Start	738	End	4435
GI	4680204	Score	1043
Exons	738..875, 1226..1445, 1542..1715, 1825..2924, 2999..4435		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	31007	Seq. ID	OJ990909_14.9A28.C8
Gene No.	64218	Strand	-
Start	720	End	5963
Name	OJ990909_14.9A28.C8.o2.tw	Method	TBLASTX:Wheat
Start	1379	End	1898
GI	none	Score	69
Exons	1379..1447, 1547..1729, 1554..1679, 1818..1898		

Seq. No.	31007	Seq. ID	OJ990909_14.9A28.C8
Gene No.	64218	Strand	-
Start	720	End	5963
Name	OJ990909_14.9A28.C8.o1.tw	Method	TBLASTX:Wheat
Start	3389	End	3792
GI	none	Score	84
Exons	3389..3559, 3522..3689, 3554..3790, 3641..3790, 3652..3792, 3682..3792		

Seq. No.	31007	Seq. ID	OJ990909_14.9A28.C8
Gene No.	64218	Strand	-
Start	720	End	5963
Name	OJ990909_14.9A28.C8.o3.np	Method	AAT/NAP
Start	5533	End	5963
GI	5042454	Score	178
Exons	5533..5586, 5849..5963		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	31008	Seq. ID	OJ990909_14.9A28.C9
Gene No.	64219	Strand	+
Start	1385	End	3772
Name	OJ990909_14.9A28.C9.o1.np	Method	AAT/NAP
Start	1385	End	3772
GI	4580394	Score	779
Exons	1385..1425, 2916..3772		
GI Descrip.	(AC007171) putative fatty acid elongase [Arabidopsis thaliana]		

Seq. No.	31008	Seq. ID	OJ990909_14.9A28.C9
Gene No.	64219	Strand	+
Start	1385	End	3772
Name	OJ990909_14.9A28.C9.o1.gs	Method	GENSCAN
Start	1572	End	3741

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